# THE CANADIAN PATENT OFFICE RECORD
# LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevet

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canad 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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## 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
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[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 de 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 Standard 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 a 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 thereof 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 de demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant le 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 Can 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 licenc 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 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, lorsque 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 co du brevet publié.

## 11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

| | | |
|---|---|---|
| 1. | Transmittal Fee (Rule 14) | $300 |
| 2. | International Filing Fee | $1730* |
| | For each additional sheet over 30 | $20 |
| 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 19 février 2019

| | | |
|---|---|---|
| 1. | Taxe de transmission (Règle 14) | 300 $ |
| 2. | Taxe de dépôt internationale | 1730 $* |
| | Pour chaque feuille au delà de 30 | 20 $ |
| 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

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)) | $260 |
| 6. Preliminary examination fee (Rule 58) | $800 |

* International fees will be reduced by:

$260 for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
$390 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 57.2a)) | 260 $ |
| 6. Taxe d'examen préliminaire (Règle 58) | 800 $ |

* Les frais seront réduits de:

260 $ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format codage de caractères).
390 $ 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 Applicant's 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 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 parcourriel (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 of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before

## 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 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

On this page:



## 14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes en 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 en 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

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Date de modification : 17 juin 2019

Sur cette page :

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, 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 de 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 les brevets, du paragraphe 10(1) du Règlement sur les mar de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l’article 4 du Règlement sur les dessins industrie et du paragraphe 3(4) du Règlement sur les topographies d 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 au registraire des topographies peut être remise en personn 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 économiqu 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 économiqu 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 économiqu 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 CIPC 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 CIPC is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPC is next open to the public. For example, if correspondence intended for CIPC is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPC 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 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 to which 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

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 considérée avoir été reçue le jour de réouverture de l'OPIC au public.

## 2. Electronic Correspondence

For the purposes of section 18.1 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 or 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

## 2. Correspondance électronique

Pour l'application de l'article 18.1 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) n'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 remise 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 public, elle est considérée comme ayant été reçue à la date d 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 of 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 num 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 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. Veuille noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de téléc 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.

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.

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.

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.

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

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 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.

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 de 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.

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.

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;

:

- 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

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:

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

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.

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.

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.

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

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

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

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

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

- 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 d 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'auteu

## 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 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 indiqu ci-dessous qui est adressée au registraire des topographies pe être transmise par voie électronique, notamment en accédant aux pages suivantes

- correspondance générale relative aux topographies 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 qui sont 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 is 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 sur support électronique contenant le listage de séquences et/ou 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 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 et 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 fichie format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

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

## 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 section 2.2 des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et 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.

## 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, transm 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 d 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 c par 27,94 cm (8,5 po par 11 po)

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



## 5. Prorogation des délais



### 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 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 sont 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 rem

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

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

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to a 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 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 la propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

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

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

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

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

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or designated holiday 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's Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

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

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

## 6. Procédures en cas de fermeture des bureaux

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

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

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

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

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre page d'interruption 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™, par Xpresspost™ 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.

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 above-mentioned 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.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (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, Mastercard™ ou American Express™ 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 toutes les échéances.

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 l'Office.

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

Patent Rules
Regulations under the PCT
Trademarks Act
Trademarks Regulations

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

## 15. Canadian Applications Open to Public Inspection

The Canadian Patent Office Record of May 19, 2020 contains applications open to public inspection from May 3, 2020 to May 9, 2020.

## 15. Demandes canadiennes mises à la disponibilité du public

La Gazette du bureau des brevets du 19 mai 2020 contient les demandes disponibles au public pour consultation pour la période du 3 mai 2020 au 9 mai 2020.

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[73] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION,
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[73] LIU, JUNJIE,
[73] DU, ZHIGUO,
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[72] SRINIVASAN, VIJAY, US
[72] SUDARSAN, ARJUN, US
[73] ADVANCED LIQUID LOGIC, INC.,
[73] STURMER, RYAN,
[73] SRINIVASAN, VIJAY,
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[54] PROCEDE DE QUALIFICATION D'UNE SUBSTANCE DESTINEE A ETRE UTILISEE DANS LE NETTOYAGE D'UN MATERIEL METTANT EN JEU DE L'OXYDE D'ALKYLENE
[72] HINMAN, PAUL VICTOR, US
[73] DOW TECHNOLOGY INVESTMENTS LLC,
[73] HINMAN, PAUL VICTOR,
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[54] SYSTEMES ET PROCEDES POUR DISTRIBUER UN FLUIDE A UN PANSEMENT DE THERAPIE DE PLAIE
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[72] BENDELE, KEVIN, US
[72] LUCKEMEYER, JAMES, US
[73] KCI LICENSING, INC.,
[73] LOCKE, CHRISTOPHER B.,
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[72] HABIB, AHSAN, US
[72] KOSANKE, JOHN, US
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[54] PROCEDES ET COMPOSITIONS DE LUTTE CONTRE LES MAUVAISES HERBES
[72] ADER, DANIEL, US
[72] DIMMIC, MATT W., US
[72] LI, ZHAOLONG, US
[72] SAMMONS, ROBERT DOUGLAS, US
[72] SHAH, RONAK HASMUKH, US
[72] TAO, NENGBING, US
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[72] SAMULSKI, RICHARD JUDE,US
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[73] SAMULSKI, RICHARD JUDE,
[73] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL,
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[72] MOORTHY, JAISREE, US
[72] NATARAJAN, SHREEDHAR, US
[73] GANALILA, LLC,
[73] MOORTHY, JAISREE,
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[54] APPAREIL ET PROCEDE POUR LE REFROIDISSEMENT D'UN FLUIDE REGULE AU COURS DE TRAITEMENTS DENTAIRES A BASE DE LASER
[72] MONTY, NATHAN P., US
[72] DRESSER, CHARLES H., US
[73] CONVERGENT DENTAL, INC.,
[73] MONTY, NATHAN P.,
[73] DRESSER, CHARLES H.,
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[54] DISTRIBUTEUR ELECTRONIQUE DE SERVIETTES PRESENTANT UN MODE ECONOMIE D'ENERGIE ADDITIONNEL
[72] TRAMONTINA, PAUL F., US
[72] ENGELSTEIN, GEOFFREY, US
[72] O'CONNOR, JOHN, US
[73] KIMBERLY-CLARK WORLDWIDE, INC.,
[73] TRAMONTINA, PAUL F.,
[73] ENGELSTEIN, GEOFFREY,
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[72] DOUGLAS, JONATHAN,US
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[73] LENNOX INDUSTRIES INC.,
[73] DOUGLAS, JONATHAN,
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[54] ANALYSE D'ECHANTILLONS D'HYDROCARBURES LIQUIDES ET SOLIDES
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[72] WALTERS, CLIFFORD C., US
[72] QIAN, KUANGNAN, US
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY,
[73] WU, CHUNPING,
[73] WALTERS, CLIFFORD C.,
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[72] SERTCHOOK, HANAN, IL
[72] TOLEDANO, OFER, IL
[72] BAR-SIMANTOV, HAIM, IL
[73] SOL-GEL TECHNOLOGIES LTD.,
[73] SERTCHOOK, HANAN,
[73] TOLEDANO, OFER,
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[72] PRILL, JONATHAN RYAN, CA
[72] ZEWAIL, RAMI, CA
[72] CLAUSEN, JEFFERY, US
[73] NATIONAL OILWELL VARCO, L.P.,
[73] PRILL, JONATHAN RYAN,
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[72] WILSON, GEOFFREY A., US
[73] PHILLIPS, BRIAN KIRBY,
[73] WILSON, GEOFFREY A.,
[73] LIFELOC TECHNOLOGIES, INC.,
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[72] SCHROBSDORFF, SIMON, DE
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[72] CHAUVIN, GREGORY EMILE, CA
[72] O'NEIL, ADRIAN IGNATIUS, CA
[73] J.J. MACKAY CANADA LIMITED,
[73] MACKAY, GEORGE ALLAN,
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[72] DUKE, JOSEPH R., JR., US
[72] BIER, KARLA J., US
[72] WILSON, CATHY PEAKE, US
[73] GATES CORPORATION,
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[54] SCANNER ROTATIF, DISPOSITIF OPTO-MECANIQUE ASSOCIE ET METHODE DE MODIFICATION D'UN ANGLE D'ELEVATION D'UN FAISCEAU OPTIQUE
[72] LEDUC, BRUNO, CA
[72] DESNOYERS, NICHOLA, CA
[73] INSTITUT NATIONAL D'OPTIQUE,
[73] LEDUC, BRUNO,
[73] DESNOYERS, NICHOLA,
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[72] EPPLEY,JOSHUAL., US
[73] DL MANUFACTURING,
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[72] DING, ZHAN JUN, CN
[72] FENSKE, WILLIAM J., US
[72] SCHULER, MICHAEL S., US
[73] SIEMENS SCHWEIZ AG,
[73] LI, PEI JIN,
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[54] ACIER A HAUTE RESISTANCE, METHODE DE FABRICATION D'ACIER A HAUTE RESISTANCE, TUYAU EN ACIER ET METHODE DE FABRICATION DE TUYAU EN ACIER
[72] OTA, SHUSAKU, JP
[72] SHIMAMURA, JUNJI, JP
[72] ISHIKAWA, NOBUYUKI, JP
[72] ENDO, SHIGERU, JP
[73] JFE STEEL CORPORATION,
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[72] WAGSCHAL, HERMAN, US
[72] WAGSCHAL, JOSEPH, US
[73] WK HOLDINGS, INC.,
[73] KRAMER, HEIDI,
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[72] TWADDELL, DANIEL L., US
[72] MCDONALD, MATTHEW PHILIP, US
[72] KILLO, JASON C., US
[72] QUAYLE, JONATHAN ROBERT, US
[73] TWADDELL, DANIEL L.,
[73] MCDONALD, MATTHEW PHILIP,
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[73] LUTRON TECHNOLOGY COMPANY LLC,
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[54] COMPOSITIONS DE CARBURANT AYANT UNE APTITUDE AU FROID AMELIOREE ET METHODES DE FABRICATION ASSOCIEES
[72] KURONEN, MARKKU, FI
[72] KIISKI, ULLA, FI
[73] NESTEOYJ,
[73] KURONEN, MARKKU,
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[72] PROSSER, NEIL M., US
[72] LUO, YANG, US
[72] LARSON, KIRK F., US
[73] PRAXAIR TECHNOLOGY, INC.,
[73] PROSSER, NEIL M.,
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[72] GEARHART, MICHAEL W., US
[72] GIBERMAN, ALEXANDER S., US
[73] ILLINOIS TOOL WORKS INC.,
[73] PIERCE, KENNETH R.,
[73] GEARHART, MICHAEL W.,
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[54] SYSTEME DE CELLULES A COMBUSTIBLE A OXYDE SOLIDE UTILISANT UNE REACTION DE METHANISATION EXOTHERMIQUE EN PLUS D'UNE REACTION DE REFORMAGE ENDOTHERMIQUE
[72] HOSHINO, MAKI, JP
[72] YAGUCHI, TATSUYA, JP
[73] NISSAN MOTOR CO., LTD.,
[73] HOSHINO, MAKI,
[73] YAGUCHI, TATSUYA,
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[73] SIDE EFFECTS SOFTWARE INC.,
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[72] MEYER, HENRY, US
[72] ONDICH, CELESTE, US
[73] SPINETHERA,
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[72] DAWSON, KENNETH A., JR., US
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[54] METHODE ET SYSTEME POUR MELANGER UN ENGRAIS A PARTIR DE FUMIER SANS EMISSION DE NUTRIMENTS
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[72] KLAPPER, MICHAEL, US
[71] DARITECH, INC., US
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[72] GOJKOVIC, DRAGAN, CA
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[54] MARCHE FOURNISSEUR DE GROS AVEC LES CAPACITES D`ACCUEILLIR DES CENTRES DE COMMANDE EN LIGNE AUTONOMES
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[72] ANDERSON,KIMBALL, CA
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[71] EIDOS INTERACTIVECORP., CA
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[71] PRODUCTIONPASSAU INC., CA
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[72] UNKNOWN, XX
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[72] WEISSENBERGER, MARKUS, CA
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[71] 2103115 ALBERTA LTD., CA
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[54] GROUPE MONTURE DE BROSSES ET PROCEDE DE FABRICATION
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[71] THE SHERWIN-WILLIAMS COMPANY, US
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[54] CONTENANT DE PRESENTATION
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[72] SMITH, SHELDON DAVID, CA
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[54] MACHINE A NETTOYER LES SURFACES ET A ENGRAVER UTILISANT UN PROCEDE D`EJECTEUR PAR LE VIDE
[72] DYBALLA, UWE, DE
[71] SYSTECO GMBH, DE
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[54] SYSTEME ET METHODE DE SIMULATION NUMERIQUE DE L`HIPPOCAMPE
[72] HONEY, CHRISTOPHER JOHN, CA
[72] BARENSE, MORGAN DOROUGH, CA
[72] XIA, ANDREW, CA
[72] MARTIN, CHRISTOPHER BASIL, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[72] DELEVSKI, DIMITAR, US
[71] C.E. NIEHOFF & CO., US
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[54] PRECIOUS STONE SETTING
[54] POSE DE PIERRES PRECIEUSES
[72] DHOLAKIYA, HASMUKH H., US
[71] H.K. DESIGNS INC., US
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[25] EN
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[54] PORTE-MECHE AVEC BEC RACCOURCI
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[71] THE SOLLAMI COMPANY, US
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[25] EN
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[54] CONFIGURATION DU DESTINATAIRE DU TRANSFERT DE DONNEES
[72] SARIR, NASIM, CA
[72] JONES, CHRISTOPHER MARK, CA
[72] GERVAIS, STEVEN, CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[72] THOMAS, JOHN WILLIAM, CA
[72] DELAVEAGA, MICHAEL THOMAS, CA
[71] THE TORONTO-DOMINION BANK, CA
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[25] EN
[54] MULTIPLEXING OF SWITCH DATA MIXING NC (NORMALLY CLOSED) AND NO (NORMALLY OPEN) CONTACTS
[54] MULTIPLEXAGE DE DONNEES DE COMMUTATION MELANGEANT DES CONTACTS NORMALEMENT FERMES ET NORMALEMENT OUVERTS
[72] BERNOT, SYLVAIN, FR
[72] SERIEYS, JULIEN, FR
[71] RATIER-FIGEAC SAS, FR
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[25] EN
[54] DE-ICING SYSTEM AND METHOD
[54] DISPOSITIF DE DEGIVRAGE ET METHODE
[72] CHAUVET, LOUIS, FR
[72] PICARD, PIERRE ALEX, FR
[72] BOULOC, ROMAIN, FR
[72] MARGER, THIBAUT, FR
[71] RATIER-FIGEAC SAS, FR
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[54] DISPOSITIF DE COMMANDE DE PUISSANCE REACTIVE ET METHODE DE COMMANDE DE PUISSANCE REACTIVE
[72] AIDA, YUUKI, JP
[72] TAHARA, YASUTO, JP
[72] SUDO, KENICHI, JP
[71] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP
[22] 2019-08-08
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[54] FERRURE SUPPORT DE POUTRE DE QUEUE EXTERIEURE MONOLITHIQUE
[72] KAMILA, ERIC SEAN, US
[72] PALMER, BENJAMIN JOSEPH, US
[72] HEER, STEVEN SCOTT, US
[71] THE BOEING COMPANY, US
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[25] EN
[54] USER INTERFACES FOR SCHEDULING TRANSFERS
[54] INTERFACES UTILISATEUR POUR LA PROGRAMMATION DE TRANSFERTS
[72] SARIR, NASIM, CA
[72] HORVATH, PETER, CA
[72] ALVES, ALINE DA ROSA, CA
[72] LE, THANH CHAU, CA
[72] JONES, CHRISTOPHER MARK, CA
[72] KHAN, MOHAMMAD FAHAD, CA
[71] THE TORONTO-DOMINION BANK, CA
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[25] EN
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[72] DAILEY, LEWIS, US
[72] MCCORMICK, KEITH, US
[71] ROLLS-ROYCE CORPORATION, US
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[72] POTIER, M. KARL, FR
[72] DE LA CHEVASNERIE, M. ARNAUD, FR
[71] GOODRICH ACTUATION SYSTEMS SAS, FR
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[54] SYSTEME AMELIORE DE FABRICATION DE DISQUES
[72] BROWN, CHAD W. T., CA
[72] MULKERNS, GREG, CA
[72] GHENT, JOSHUA, CA
[72] WYBENGA, MICHAEL, CA
[72] BROWN, ROBERT H., CA
[72] HASHMI, JAMES, CA
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[54] ENERGY STORAGE SYSTEM FOR A HYBRID POWER SYSTEM
[54] SYSTEME DE STOCKAGE D`ENERGIE POUR SYSTEME D`ENERGIE HYBRIDE
[72] LONG, STEPHEN ANDREW, US
[72] BOLLMAN, ANDREW, US
[72] ZAGRODNIK, MICHAEL ADAM, SG
[72] GAJANAYAKE, CHANDANA JAYAMPATHI, SG
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
[71] ROLLS-ROYCE SINGAPORE PTE. LTD., SG
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[54] COMBUSTOR DOME BIA ADDITIVE LAYER MANUFACTURING
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[72] SAUER, KEVIN, US
[72] DAILEY, LEWIS, US
[72] MCCORMICK, KEITH, US
[72] SMITH, DUANE, US
[72] DEBRUHL, CHRISTOPHER D., US
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
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[54] REMPLISSAGE DE CONTENEURS A GRANDE VITESSE POUR DIMINUER LA CONTAMINATION CROISEE
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[72] DOHERTY, THOMAS, CA
[71] ARXIUM, INC., US
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[25] EN
[54] POSITIONING DEVICE AND METHOD FOR SHAFTS
[54] DISPOSITIF ET PROCEDE DE POSITIONNEMENT POUR ARBRES
[72] REJMAN, MARCIN, US
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-09-11
[41] 2020-05-08
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[25] EN
[54] END GROOVING SYSTEM AND PROCESS FOR TUBING
[54] SYSTEME ET PROCEDE DE RAINURAGE POUR TUBES
[72] MIHAILESCU, GHEORGHE, US
[71] ZEKELMAN INDUSTRIES, INC., US
[22] 2019-09-17
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[25] EN
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[54] PROCEDE DE FABRICATION D`UN ELEMENT DE COUPE EXTRA DUR POLYCRISTALLIN UTILISANT DES PASSAGES DE LIXIVIATION
[72] BELLIN, FEDERICO, US
[71] VAREL INTERNATIONAL IND., L.L.C., US
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[25] EN
[54] ITERATIVE COHERENT MAPPING OF CARDIAC ELECTROPHYSIOLOGICAL (EP) ACTIVATION INCLUDING SCAR EFFECTS
[54] CARTOGRAPHIE COHERENTE ITERATIVE D`ACTIVATION ELECTROPHYSIOLOGIQUE CARDIAQUE (EP), Y COMPRIS DES EFFETS SURLE TISSU CICATRICIEL
[72] BAR-TAL, MEIR, IL
[72] BARAM, ALON, IL
[72] MONTAG, AVRAM DAN, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
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[41] 2020-05-08
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[54] ELECTRODE INDIFFERENTE AVEC ZONE SELECTIONNABLE
[72] BEECKLER, CHRISTOPHER THOMAS, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
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[54] APPAREIL ET PROCEDES D`INSTALLATION DE LUMINAIRES
[72] WARNER, BENJAMIN J., US
[72] MUNDELL, BRANDON S., US
[71] ABL IP HOLDING LLC, US
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[72] LIU, JIANMIN, US
[72] CULLIGAN, SEAN WILLIAM, US
[71] GENERAL CABLE TECHNOLOGIES CORPORATION, US
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[25] EN
[54] EXPANDABLE INTRODUCER ASSEMBLY AND METHOD OF USING SAME
[54] ENSEMBLE INTRODUCTEUR EXTENSIBLE ET SON PROCEDE D`UTILISATION
[72] APPLING, ANTHONY, US
[72] FURNISH, SIMON, US
[72] MORRIS, BEN, US
[72] WETZEL, CODY, US
[72] ZEIS, TIMOTHY S., US
[71] FREUDENBERG MEDICAL, LLC, US
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[51] Int.Cl. A61B 5/042 (2006.01) G16H 50/20 (2018.01)
[25] EN
[54] ITERATIVE COHERENT MAPPING OF CARDIAC ELECTROPHYSIOLOGICAL (EP) ACTIVATION INCLUDING REENTRY EFFECTS
[54] CARTOGRAPHIE COHERENTE ITERATIVE D`ACTIVATION ELECTROPHYSIOLOGIQUE CARDIAQUE (EP) COMPREND DES EFFETS DE REENTREE
[72] BAR-TAL, MEIR, IL
[72] BARAM, ALON, IL
[72] MONTAG, AVRAM DAN, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-10-03
[41] 2020-05-08
[30] US (16/184,653) 2018-11-08

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[13] A1
[25] EN
[54] METHOD AND SYSTEM FOR STARTING A TURBOCOMPOUNDED ENGINE
[54] METHODE ET SYSTEME POUR LE DEMARRAGE D`UN MOTEUR A TURBORECUPERATION
[72] SCHULZ, EDWIN, CA
[72] BELLEVILLE, FRANCOIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[51] Int.Cl. G06Q 20/20 (2012.01) G06Q 20/06 (2012.01) G06Q 20/40 (2012.01)
[25] EN
[54] SYSTEMS AND METHODS FOR TRANSACTION-SPECIFIC REWARDS NEGOTIATION
[54] METHODES ET SYSTEMES POUR LA NEGOCIATION DE RECOMPENSES PROPRES A UNE TRANSACTION
[72] REPHLO, JEREMY, US
[71] CAPITAL ONE SERVICES, LLC, US
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[51] Int.Cl. F02C 9/28 (2006.01) F02C 7/22 (2006.01)
[25] EN
[54] FUEL FLOW CONTROL SYSTEM AND METHOD FOR ENGINE START
[54] METHODE ET SYSTEME DE REGULATION DU DEBIT CARBURANT POUR LE DEMARRAGE D`UN MOTEUR
[72] DES ROCHES-DIONNE, NICOLAS, CA
[72] LAMARRE, SYLVAIN, CA
[72] LOPEZ, SIMON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[25] EN
[54] SYSTEMS AND METHODS FOR PROVIDING NOTIFICATIONS REGARDING DATA BREACHES
[54] METHODES ET SYSTEMES POUR FOURNIR DES NOTIFICATIONS CONCERNANT DES ATTEINTES A LA PROTECTION DES DONNEES
[72] DEBEAUNE, DAINA, US
[72] EVANS, CHRISTIANE, US
[72] KROLL, BRYAN, US
[72] MCNULTY, JILL BAGALSO, US
[72] SCHILLING, GARY, US
[72] VITTIMBERGA, PAUL, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-10-10
[41] 2020-05-05
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[13] A1
[51] Int.Cl. F24F 11/50 (2018.01) F24F 11/62 (2018.01) G05D 23/19 (2006.01)
[25] EN
[54] SYSTEMS AND METHODS OF PREDICTING ENERGY USAGE
[54] METHODES ET SYSTEMES POUR PREDIRE LA CONSOMMATION D`ENERGIE
[72] BRAHME, ROHINI, US
[72] HREJSA, PETER, US
[71] LENNOX INDUSTRIES INC., US
[22] 2019-10-10
[41] 2020-05-06
[30] US (16/182,273) 2018-11-06

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[13] A1
[51] Int.Cl. G06Q 30/02 (2012.01) H04W 4/021 (2018.01)
[25] EN
[54] SYSTEMS AND METHODS FOR TARGETED CONTENT DELIVERY BASED ON DEVICE SENSOR DATA
[54] METHODES ET SYSTEMES POUR LA DIFFUSION DE CONTENU CIBLE REPOSANT SUR LES DONNEES D`UN CAPTEUR
[72] WIEKER, JEFFREY, US
[72] LIU, YA, US
[72] DOUGLAS, LAWRENCE HUTCHISON, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-10
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[13] A1
[51] Int.Cl. G01N 21/88 (2006.01) B64F 5/60 (2017.01)
[25] EN
[54] DISCHARGE DETECTION SYSTEM AND DISCHARGE DETECTION METHOD
[54] SYSTEME DE DETECTION DES DECHARGES ET PROCEDE DE DETECTION DES DECHARGES
[72] NISHI, TAKAYUKI, JP
[72] OHTSUKA, SHINYA, JP
[71] SUBARU CORPORATION, JP
[71] KYUSHU INSTITUTE OF TECHNOLOGY, JP
[22] 2019-10-11
[41] 2020-05-07
[30] JP (2018-210111) 2018-11-07

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[13] A1
[51] Int.Cl. F24F 1/0073 (2019.01) F24F 1/035 (2019.01)
[25] EN
[54] AUXILIARY FILTER FOR THE INDOOR UNIT OF A MINI-SPLIT HEAT PUMP
[54] FILTRE AUXILIAIRE POUR L`UNITE INTERIEURE D`UNE MINI-THERMOPOMPE BIBLOC
[72] LEBLANC, EDWARD BRIAN, CA
[71] LEBLANC, EDWARD BRIAN, CA
[22] 2019-10-17
[41] 2020-05-05
[30] US (62/766,782) 2018-11-05

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[13] A1
[51] Int.Cl. E21B 43/16 (2006.01), E21B 49/00 (2006.01)
[25] FR
[54] PROCESS FOR RECOVERING OIL IN A GEOLOGICAL RESERVOIR BY INJECTION OF SLIGHTLY SALINE WATER
[54] PROCEDE DE RECUPERATION D'HYDROCARBURES DANS UN RESERVOIR GEOLOGIQUE PAR INJECTION D'EAU FAIBLEMENT SALINE
[72] BOURBIAUX, BERNARD, FR
[72] NGUYEN, QUANG LONG, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2019-10-15
[41] 2020-05-06
[30] FR (18 60 212) 2018-11-06

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[13] A1
[51] Int.Cl. B42D 15/04 (2006.01), B31D 5/04 (2017.01)
[25] EN
[54] GREETING CARD WITH 90-DEGREE POP-UP STRUCTURE
[54] CARTE DE SOUHAITS AVEC STRUCTURE A DEPLOIEMENT RAPIDE A 90 DEGRES
[72] KELLY, CHARLES ROBERT, US
[71] AMERICAN GREETINGS CORPORATION, US
[22] 2019-10-17
[41] 2020-05-05
[30] US (16/180,155) 2018-11-05

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[13] A1
[51] Int.Cl. F16B 37/14 (2006.01)
[25] EN
[54] EME CAP FOR PREVENTING UNCURED SEALANT SQUEEZE OUT
[54] CAPUCHON POUR EMPECHER UN SCELLANT NON DURCI DE COULER
[72] HANSEN, DARRIN M., US
[72] HARGRAVE, BENJAMIN P., US
[72] PAJEL, CARISSA, US
[71] THE BOEING COMPANY, US
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[41] 2020-05-09
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[51] Int.Cl. H04W 4/90 (2018.01) H04W 12/02 (2009.01) H04W 4/029 (2018.01 H04W 4/44 (2018.01)
[25] EN
[54] SYSTEMS AND METHODS FOR FACILITATING DYNAMIC REMOTE ASSISTANCE NETWORKS
[54] METHODES ET SYSTEMES POUR FACILITER LA CREATION DE RESEAUX DYNAMIQUES DE TELEASSISTANCE
[72] LIU, YA, US
[72] DOUGLAS, LAWRENCE HUTCHISON, JR., US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-18
[41] 2020-05-08
[30] US (16/184,483) 2018-11-08

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[13] A1
[51] Int.Cl. E06B 1/32 (2006.01), E06B 1/26 (2006.01)
[25] EN
[54] WINDOW AND CURTAIN WALL MULLIONS, TRANSOMS AND SYSTEMS
[54] MENEAUX, IMPOSTES ET SYSTEMES POUR FENETRES ET MUR-RIDEAUX
[72] FREDERICK, TODD, US
[71] FREMARQ INNOVATIONS, INC., US
[22] 2019-10-23
[41] 2020-05-07
[30] US (16/182,871) 2018-11-07

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[13] A1
[51] Int.Cl. B64D 27/24 (2006.01), B60K 6/20 (2007.10) B64D 35/00 (2006.01) B64D 41/00 (2006.01)
[25] EN
[54] HYBRID PROPULSION SYSTEMS
[54] SYSTEMES DE PROPULSION HYBRIDE
[72] LONG, STEPHEN ANDREW, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-10-24
[41] 2020-05-08
[30] US (16/184,725) 2018-11-08

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[13] A1
[51] Int.Cl. B64D 27/24 (2006.01), B60K 6/20 (2007.10) B64D 35/00 (2006.01) B64D 41/00 (2006.01)
[25] EN
[54] ELECTRICAL ARCHITECTURE FOR HYBRID PROPULSION
[54] ARCHITECTURE ELECTRIQUE DE PROPULSION HYBRIDE
[72] LONG, STEPHEN ANDREW, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-10-24
[41] 2020-05-08
[30] US (16/184,648) 2018-11-08

[21] 3,059,838
[13] A1
[51] Int.Cl. B64D 27/24 (2006.01), B60K 6/20 (2007.10) B64D 35/00 (2006.01) B64D 41/00 (2006.01)
[25] EN
[54] HYBRID PROPULSION SYSTEMS
[54] SYSTEMES DE PROPULSION HYBRIDE
[72] LONG, STEPHEN ANDREW, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-10-24
[41] 2020-05-08
[30] US (16/184,536) 2018-11-08

[21] 3,059,843
[13] A1
[51] Int.Cl. B64D 27/24 (2006.01), B60K 6/20 (2007.10) B64D 35/00 (2006.01) B64D 41/00 (2006.01)
[25] EN
[54] HYBRID PROPULSION SYSTEMS
[54] SYSTEMES DE PROPULSION HYBRIDE
[72] LONG, STEPHEN ANDREW, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-10-24
[41] 2020-05-08
[30] US (16/184,487) 2018-11-08

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[13] A1
[51] Int.Cl. H04L 12/22 (2006.01) H04L 9/00 (2006.01) H04L 12/12 (2006.01)
[25] EN
[54] METHODS AND DEVICES FOR ESTABLISHING SECURE COMMUNICATION CHANNELS
[54] METHODES ET DISPOSITIFS D`ETABLISSEMENT DE VOIES DE COMMUNICATION SECURISEES
[72] YANG, CHANG FUNG, CA
[72] XU, JASON SONGBO, CA
[71] BLACKBERRY LIMITED, CA
[22] 2019-10-28
[41] 2020-05-06
[30] US (16/181,755) 2018-11-06

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[13] A1
[51] Int.Cl. B32B 1/08 (2006.01) A63B 59/50 (2015.01) B29C 70/30 (2006.01) B32B 5/12 (2006.01)
[25] EN
[54] STRENGTHENING BALL BATS AND OTHER COMPOSITE STRUCTURES WITH NANO-ADDITIVES
[54] RENFORCEMENT DE BATONS DE BASEBALL ET D`AUTRES STRUCTURES COMPOSITES AU MOYEN DE NANOADDITIFS
[72] ST-LAURENT, FREDERIC, US
[71] EASTON DIAMOND SPORTS, LLC, US
[22] 2019-10-25
[41] 2020-05-08
[30] US (16/184885) 2018-11-08

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[13] A1
[51] Int.Cl. G01S 13/87 (2006.01) G01S 7/40 (2006.01) G01S 13/66 (2006.01)
[25] EN
[54] DETERMINATION DE DEPHASAGES D'EMISSION POUR UN RADAR A PLUSIEURS VOIES D'EMISSION JUXTAPOSEES
[54] DETERMINATION DE DEPHASAGES D`EMISSION POUR UN RADAR A PLUSIEURS VOIES D`EMISSION JUXTAPOSEES
[72] CATTENOZ, MATHIEU, FR
[72] BROUARD, PHILIPPE, FR
[71] OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, FR
[22] 2019-10-28
[41] 2020-05-09
[30] FR (18/60352) 2018-11-09

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[13] A1
[51] Int.Cl. E04F 19/04 (2006.01)
[25] EN
[54] METHOD FOR PRODUCING A FLASH COVING PROFILE AND METHOD FOR ARRANGING THE OBTAINED FLASH COVING PROFILE IN THE CORNER BETWEEN A FLOOR AND A WALL
[54] METHODE DE PRODUCTION D`UN PROFIL DE PLINTHE ET METHODE DE DISPOSITION DU PROFIL DE PLINTHE OBTENU DANS LE COIN ENTRE UN PLANCHER ET UN MUR
[72] LAVALLIE, DANNY DENNIS, CA
[72] KONTOSIC, JOHNNY, CA
[71] FORBOFLOORING B.V., NL
[22] 2019-10-29
[41] 2020-05-07
[30] NL (NL-2021953) 2018-11-07

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[13] A1
[51] Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)
[25] EN
[54] VARIETY CORN LINE KFX5365
[54] LIGNEE D`UNE VARIETE DE MAIS KFX5365
[72] CROMLEY, JASON, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2019-10-29
[41] 2020-05-08
[30] US (16/184529) 2018-11-08

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[13] A1
[51] Int.Cl. G06Q 30/00 (2012.01) G06N 20/00 (2019.01)
[25] EN
[54] UTILIZING MACHINE LEARNING WITH SELF-SUPPORT ACTIONS TO DETERMINE SUPPORT QUEUE POSITIONS FOR SUPPORT CALLS
[54] UTILISATION DE L`APPRENTISSAGE AUTOMATIQUE ET D`ACTIONS DE SOUTIEN PERSONNEL POUR DETERMINER LES POSITIONS DES APPELS DE SOUTIEN DANS LA FILE DE SOUTIEN
[72] BENKREIRA, ABDELKADAR M'HAMED, US
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-29
[41] 2020-05-05
[30] US (16/180859) 2018-11-05

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[13] A1
[51] Int.Cl. A01N 25/04 (2006.01), C05G 3/00 (2006.01) C05G 5/00 (2006.01) C08J 3/075 (2006.01)
[25] EN
[54] HYDROGELS AS RHEOLOGY MODIFIERS AND METHODS OF MAKING THE SAME
[54] HYDROGELS COMME MODIFICATEURS DE RHEOLOGIE ET METHODES DE FABRICATION
[72] BROWN, DANNY, US
[72] COLBY, CHRISTINE, US
[72] MAGIDOW, LILLIAN, US
[72] BARTA, MEGAN, US
[71] WINDFIELD SOLUTIONS, LLC, US
[22] 2019-10-28
[41] 2020-05-09
[30] US (62/758,031) 2018-11-09

[21] 3,060,497
[13] A1
[51] Int.Cl. E21B 43/241 (2006.01) E21B 43/16 (2006.01)
[25] EN
[54] PRODUCING HYDROCARBONS FROM SUBTERRANEAN RESERVOIR WITH SOLVENT INJECTION AT CONTROLLED SOLVENT DENSITY
[54] PRODUCTION D`HYDROCARBURES DANS UN RESERVOIR SOUTERRAIN PAR INJECTION DE SOLVANT A DENSITE CONTROLEE
[72] AZOM, PRINCE, CA
[72] BEN-ZVI, AMOS, CA
[71] CENOVUS ENERGY INC., CA
[22] 2019-10-29
[41] 2020-05-09
[30] US (62/758,191) 2018-11-09

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[13] A1
[51] Int.Cl. C12N 5/04 (2006.01), A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)
[25] EN
[54] VARIETY CORN LINE LJD6736
[54] LIGNEE D`UNE VARIETE DE MAIS LJD6736
[72] FORD, BENJAMIN, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2019-10-29
[41] 2020-05-08
[30] US (16/184334) 2018-11-08

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[13] A1
[51] Int.Cl. E01B 29/32 (2006.01), B65G 47/22 (2006.01) B65G 47/24 (2006.01)
[25] EN
[54] THE PLATE DISPENSER AND METHOD THEREFORE
[54] DISTRIBUTEUR DE SELLES DE RAIL ET METHODE CONNEXE
[72] COOTS, COTY T., US
[71] B & B METALS, INC., US
[22] 2019-10-29
[41] 2020-05-06
[30] US (62/756,206) 2018-11-06

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[13] A1
[51] Int.Cl. B64C 13/00 (2006.01)
[25] EN
[54] METHOD AND SYSTEM DEPLOYING A FLIGHT CONTROL SURFACE
[54] METHODE ET SYSTEME DE DEPLOIEMENT D`UNE GOUVERNE
[72] LISCOUET, JONATHAN, CA
[72] MOLEDINA, ZISHAAN, CA
[71] BOMBARDIER INC., CA
[22] 2019-10-29
[41] 2020-05-07
[30] US (62/756,607) 2018-11-07

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[13] A1
[51] Int.Cl. A47G 19/30 (2006.01) A45F 3/18 (2006.01) B65D 1/02 (2006.01) B65D 43/02 (2006.01)
[25] EN
[54] CONTAINER AND WITHDRAWAL SYSTEM
[54] RECIPIENT ET SYSTEME DE RETRAIT
[72] NISHIJIMA, RICK T., US
[72] BELL, RUSSELL E., US
[71] BRITA LP, US
[22] 2019-10-29
[41] 2020-05-06
[30] US (62/756,422) 2018-11-06
[30] US (16/664,400) 2019-10-25

[21] 3,060,756
[13] A1
[51] Int.Cl. B64D 45/00 (2006.01), B64C 25/00 (2006.01)
[25] EN
[54] HARD LANDING INDICATOR FOR AN AIRCRAFT LANDING GEAR
[54] INDICATEUR D`ATTERRISSAGE DUR POUR UN TRAIN D`ATTERRISSAGE D`AERONEF
[72] FERNELEY, JOHN J.C., CA
[71] BOMBARDIER INC., CA
[22] 2019-10-29
[41] 2020-05-07
[30] US (62/756,779) 2018-11-07

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[13] A1
[51] Int.Cl. A01N 25/10 (2006.01), A01N 43/70 (2006.01) A01N 57/20 (2006.01)
[25] EN
[54] HYDROGELS AS CARRIERS OF ACTIVE INGREDIENTS AND METHODS OF PRODUCING THESAME
[54] HYDROGELS COMME SUPPORTS D`INGREDIENTS ACTIFS ET METHODES DE PRODUCTION
[72] BROWN, DANNY, US
[72] COLBY, CHRISTINE, US
[72] MAGIDOW, LILLIAN, US
[72] BARTA, MEGAN, US
[72] SAWALL, DUSTYN, US
[71] WINFIELD SOLUTIONS, LLC, US
[22] 2019-11-01
[41] 2020-05-09
[30] US (62/758,049) 2018-11-09

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[13] A1
[51] Int.Cl. B65F 1/14 (2006.01) B65F 1/00 (2006.01)
[25] EN
[54] CERO FOLDING BINS
[54] CONTENEURS PLIABLES CERO
[72] MUNARO, RAFAEL, US
[72] DITTMANN, ANTHONY, US
[71] MUNARO, RAFAEL, US
[71] DITTMANN, ANTHONY, US
[22] 2019-11-01
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[51] Int.Cl. G06K 9/62 (2006.01) G06Q 40/02 (2012.01)
[25] EN
[54] LABEL INFORMATION ACQUISTION METHOD AND APPARATUS, ELECTRONIC DEVICE AND COMPUTER READABLE MEDIUM
[54] METHODE ET APPAREIL D`ACQUISITION DES RENSEIGNEMENTS D`UNE ETIQUETTE, DISPOSITIF ELECTRONIQUE ET SUPPORT LISIBLE PAR UN ORDINATEUR
[72] NI, JIACHENG, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-11-01
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[30] CN (201811333350.4) 2018-11-09

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[25] EN
[54] EXTENDED HYDRAULIC ACCUMULATOR PISTON
[54] PISTON AGRANDI D`UN ACCUMULATEUR HYDRAULIQUE
[72] BECHARD, GRANT, US
[72] STEINBISS, JONATHAN, US
[72] SMITH, BRANDON, US
[71] ANDRITZ INC., US
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[41] 2020-05-09
[30] US (62/758,056) 2018-11-09
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[51] Int.Cl. G06F 3/06 (2006.01) G06F 12/02 (2006.01)
[25] EN
[54] METHOD AND DEVICE FOR MANAGING HOT AND COLD DATA, ELECTRONIC DEVICE, AND COMPUTER READABLE MEDIUM
[54] METHODE ET DISPOSITIF DE GESTION DE DONNEES CHAUDES ET FROIDES, DISPOSITIF ELECTRONIQUE ET SUPPORT LISIBLE PAR UN ORDINATEUR
[72] TAO, MIN, CN
[72] CUI, HONGZHEN, CN
[72] ZHAO, NAN, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-11-01
[41] 2020-05-05
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[51] Int.Cl. G02C 7/00 (2006.01) A61F 9/02 (2006.01) A63B 33/00 (2006.01) G02C 5/00 (2006.01)
[25] EN
[54] GOGGLE LENS WITH COMPOUND CURVATURE FOR DOWNWARD FIELD OF VIEW ENHANCEMENT
[54] LENTILLE DE LUNETTES PROTECTRICES AYANT UNE COURBURE COMPLEXE POUR UNE AMELIORATION DE L`ANGLE DE CHAMP VERS LE BAS
[72] MCNEAL, WILL, US
[72] LINDAUER, HANS, US
[72] AASKOV, MIKE, US
[72] OHRAN, JOHN, US
[72] THORSELL, ERIC, US
[72] CAPOZZI, MATT, US
[72] RAMIREZ, NICOLAS, US
[72] LAYTON, SCOTT, US
[71] SMITH SPORTOPTICS, INC., US
[22] 2019-11-04
[41] 2020-05-05
[30] US (62/756,034) 2018-11-05

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[13] A1
[51] Int.Cl. E21B 43/22 (2006.01) C09K 8/58 (2006.01) E21B 43/241 (2006.01)
[25] EN
[54] PROCESS FOR PRODUCING FLUIDS FROM A HYDROCARBON-BEARING FORMATION
[54] PROCEDE DE PRODUCTION DE FLUIDES A PARTIR D`UNE FORMATION PETROLIFERE
[72] HOGSTEAD, CLIFFORD VERNON, CA
[71] CENOVUS ENERGY INC., CA
[22] 2019-11-04
[41] 2020-05-05
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[51] Int.Cl. G01S 19/45 (2010.01) H04W 64/00 (2009.01) H04W 4/80 (2018.01)
[25] EN
[54] METHOD AND SYSTEM FOR CROWD-SOURCED TRUSTED-GPS REGION FOR MOBILE DEVICE LOCALIZATION
[54] METHODE ET SYSTEME DE DETERMINATION D`UNE REGION GPS FIABLE PAR EXTERNALISATION OUVERTE POUR LA LOCALISATION D`UN APPAREIL MOBILE
[72] HUBERMAN, SEAN, CA
[72] GULO, EROS, CA
[71] MAPSTED CORP., CA
[22] 2019-11-04
[41] 2020-05-05
[30] US (16/180306) 2018-11-05

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[51] Int.Cl. E01F 9/615 (2016.01) F21K 9/00 (2016.01) F21S 9/02 (2006.01) F21V 33/00 (2006.01) G09F 13/00 (2006.01)
[25] EN
[54] PORTABLE, SELF-ILLUMINATING TRAFFIC SIGN
[54] SIGNAL ROUTIER PORTATIF ET AUTO-ILLUMINANT
[72] EVANS, MICHAEL J., US
[71] EVANS, MICHAEL J., US
[22] 2019-11-04
[41] 2020-05-05
[30] US (62/766829) 2018-11-05

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[13] A1
[51] Int.Cl. G06Q 20/40 (2012.01) G06Q 20/24 (2012.01)
[25] EN
[54] SYSTEMS AND METHODS FOR MOBILE PRE-AUTHORIZATION OF A CREDIT TRANSACTION
[54] SYSTEMES ET METHODES D`AUTORISATION PREALABLE MOBILE D`UNE TRANSACTION DE CREDIT
[72] SORBELLO,MARK, CA
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-11-04
[41] 2020-05-08
[30] US (16/184,542) 2018-11-08

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[13] A1
[51] Int.Cl. A01D 90/10 (2006.01) B60P 1/42 (2006.01) B65G 67/24 (2006.01)
[25] EN
[54] PROGRAMMABLE GRAIN CART FUNCTION CONTROL SYSTEM
[54] SYSTEME DE COMMANDE DES FONCTIONS D`UN CHARIOT A CEREALES PROGRAMMABLE
[72] FRIESEN, MICHAEL I.J, CA
[71] ELMER'S WELDING & MANUFACTURING LTD., CA
[22] 2019-11-05
[41] 2020-05-07
[30] US (62756646) 2018-11-07

[21] 3,060,895
[13] A1
[51] Int.Cl. E05B 47/00 (2006.01) E05B 15/10 (2006.01)
[25] EN
[54] FLEXIBLE COUPLING FOR ELECTRONIC DEADBOLT SYSTEMS
[54] ACCOUPLEMENT ELASTIQUE POUR SYSTEMES ELECTRONIQUES DE PENE DORMANT
[72] LAMMERS, TRACY, US
[72] CRIDDLE, DOUGLAS JOHN, US
[71] AMESBURY GROUP, INC., US
[22] 2019-11-04
[41] 2020-05-06
[30] US (62/756,356) 2018-11-06
[30] US (16/664,144) 2019-10-25

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[13] A1
[51] Int.Cl. G06N 3/08 (2006.01) G06N 3/04 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR DEEP REINFORCEMENT LEARNING
[54] SYSTEME ET METHODE D`APPRENTISSAGE PROFOND PAR RENFORCEMENT
[72] KARTAL, BILAL, CA
[72] HERNANDEZ LEAL, PABLO FRANCISCO, CA
[72] TAYLOR, MATTHEW EDMUND, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-05
[41] 2020-05-05
[30] US (62/755,839) 2018-11-05

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[13] A1
[51] Int.Cl. G06N 3/08 (2006.01) G06N 3/04 (2006.01)
[25] EN
[54] OPPONENT MODELING WITH ASYNCHRONOUS METHODS IN DEEP RL
[54] MODELISATION DE L`ADVERSAIRE AU MOYEN DE METHODES ASYNCHRONES EN APPRENTISSAGE PROFOND PAR RENFORCEMENT
[72] HERNANDEZ LEAL, PABLO FRANSISCO, CA
[72] KARTAL, BILAL, CA
[72] TAYLOR, MATTHEW EDMUND, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-11-05
[41] 2020-05-05
[30] US (62/755,820) 2018-11-05

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[13] A1
[51] Int.Cl. E04F 13/076 (2006.01) E04B 2/90 (2006.01) E04F 13/07 (2006.01) E04F 13/21 (2006.01)
[25] EN
[54] COUPLING SYSTEM FOR MOUNTING TILES TO A BUILDING
[54] SYSTEME DE RACCORD POUR L`INSTALLATION DE CARREAUX SUR UN BATIMENT
[72] LEHMANN, CHRISTIAN, US
[71] HUNTER DOUGLAS INC., US
[22] 2019-11-04
[41] 2020-05-05
[30] US (62/883,156) 2019-08-06
[30] US (62/755,909) 2018-11-05

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[13] A1
[51] Int.Cl. H04W 88/04 (2009.01) H04W 84/22 (2009.01) H04W 88/16 (2009.01 H04W 92/16 (2009.01) H04B 7/155 (2006.01)
[25] EN
[54] REPEATER FOR MESH NETWORK
[54] REPETEUR POUR UN RESEAU MAILLE
[72] LEE, CHIH-FANG, CN
[72] HSIEH, TSUNG-HSIEN, CN
[71] ARCADYAN TECHNOLOGY CORPORATION, CN
[22] 2019-11-04
[41] 2020-05-05
[30] TW (107139218) 2018-11-05

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[13] A1
[51] Int.Cl. B09C 1/00 (2006.01) H02S 10/00 (2014.01) H02S 20/10 (2014.01)
[25] EN
[54] SYSTEM FOR USE WITH CONTAMINATED LAND AND AS PART OF A FACILITY
[54] SYSTEME A UTILISER SUR UN TERRAIN CONTAMINE ET COMME PARTIE D`UNE INSTALLATION
[72] KEHOE, PATRICK, CA
[71] KEHOE, PATRICK, CA
[22] 2019-11-05
[41] 2020-05-06
[30] US (16/182,165) 2018-11-06
[30] CA (3023163) 2018-11-06
[30] US (16/593,254) 2019-10-04

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[13] A1
[51] Int.Cl. E04B 1/38 (2006.01) F16B 9/00 (2006.01)
[25] EN
[54] CONCRETE EMBEDDABLE CORBEL SYSTEM
[54] SYSTEME D`ENCORBELLEMENT ENCASTRABLE DANS LE BETON
[72] JABLONSKY, DAVID S., US
[71] ALP SUPPLY, INC., US
[22] 2019-11-04
[41] 2020-05-06
[30] US (16/181,712) 2018-11-06

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[13] A1
[51] Int.Cl. B62B 3/14 (2006.01) B62B 5/08 (2006.01) B60N 2/28 (2006.01)
[25] EN
[54] SHOPPING CART GATE WITH FIXED CHILD SEAT
[54] GRILLE DE PANIER AYANT UN SIEGE FIXE POUR ENFANT
[72] HARRISON, WILLIAM T., US
[71] UNARCO INDUSTRIES LLC, US
[22] 2019-11-06
[41] 2020-05-07
[30] US (62/756,947) 2018-11-07

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[13] A1
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[25] EN
[54] REACTIVE FISHING ROD HOLDER
[54] SUPPORT REACTIF POUR CANNE A PECHE
[72] KURZ II, THOMAS D., US
[71] KURZ II, THOMAS D., US
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[30] US (16/350,362) 2018-11-06

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[25] EN
[54] STRUCTURAL ASSEMBLY BOARD AND METHOD OF MANUFACTURING SAME
[54] PANNEAU D`ELEMENT FONCTIONNEL PORTEUR ET METHODE DE FABRICATION
[72] BROWN, DOUG, CA
[71] MGO SYSTEMS LTD., CA
[22] 2019-11-06
[41] 2020-05-06
[30] US (62/756,324) 2018-11-06

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[13] A1
[51] Int.Cl. B60W 30/18 (2012.01) B60W 40/02 (2006.01) B60W 40/10 (2012.01
[25] EN
[54] SPEED PLANNING DEVICE FOR A VEHICLE
[54] DISPOSITIF DE PLANIFICATION DE VITESSE POUR UN VEHICULE
[72] WALLSTEDT, PHILIP, US
[72] MORRIS, EMILY, US
[72] STRUBLE, JOSHUA, US
[72] JOHNSON, MATTHEW D., US
[71] CATERPILLAR INC., US
[22] 2019-11-05
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[30] US (16/182292) 2018-11-06

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[13] A1
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[25] EN
[54] STRUCTURAL ASSEMBLY BOARD AND METHOD OF MANUFACTURING SAME
[54] PANNEAU D`ELEMENT FONCTIONNEL PORTEUR ET METHODE DE FABRICATION
[72] BROWN, DOUG, CA
[71] MGO SYSTEMS INC., CA
[22] 2019-11-06
[41] 2020-05-06
[30] US (62/756,312) 2018-11-06

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[25] EN
[54] RETRACTING AND SWIVELLING TRANSFER APPARATUS FOR ATTACHMENT TO A MOBILE CONVEYOR
[54] APPAREIL DE TRANSFERT RETRACTABLE ET PIVOTANT A INSTALLER SUR UN CONVOYEUR MOBILE
[72] GROSE, DARREN J., CA
[72] GROSE, CORY E., CA
[71] RODONO INDUSTRIES LTD., CA
[22] 2019-11-06
[41] 2020-05-06
[30] US (62756121) 2018-11-06

[21] 3,060,953
[13] A1
[51] Int.Cl. E21B 19/14 (2006.01) E21B 19/15 (2006.01)
[25] EN
[54] TUBULAR HANDLING APPARATUS AND METHODS
[54] APPAREIL DE MANUTENTION TUBULAIRE ET METHODES
[72] MORELLI, NICHOLAS, CA
[72] KEEBLER, KURTIS, CA
[72] NICOLAY, ALVIN W., CA
[72] SVEINSON, JAMES (WES), CA
[72] THORKMAN, JACOB, CA
[71] SUPERIOR RIG INNOVATIONS LTD., CA
[22] 2019-11-05
[41] 2020-05-05
[30] US (16/180,108) 2018-11-05

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[13] A1
[51] Int.Cl. F16L 1/028 (2006.01) F17D 1/00 (2006.01)
[25] EN
[54] REMEDIATION OF EXCAVATED PIPE SECTIONS
[54] RESTAURATION DE SECTIONS DE TUYAU DEGAGE
[72] MEHLENBACHER, LAWRENCE D., US
[71] LMC INDUSTRIAL CONTRACTORS, INC., US
[22] 2019-11-06
[41] 2020-05-06
[30] US (62/756,343) 2018-11-06

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[25] EN
[54] LIMB SPARING IN MAMMALS USING PATIENT-SPECIFIC ENDOPROSTHESES AND CUTTING GUIDES
[54] PROTECTION DES MEMBRES DU CORPS DE MAMMIFERES AU MOYEN D`ENDOPROTHESES ET DE GUIDES DE COUPE ADAPTES A UN PATIENT
[72] UNKNOWN, XX
[71] SOCOVAR, L.P., CA
[71] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[71] UNIVERSITE DE MONTREAL, CA
[22] 2019-11-06
[41] 2020-05-06
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[25] EN
[54] LIMB SPARING IN MAMMALS USING PATIENT-SPECIFIC ENDOPROSTHESES AND CUTTING GUIDES
[54] PROTECTION DES MEMBRES DU CORPS DE MAMMIFERES AU MOYEN D`ENDOPROTHESES ET DE GUIDES DE COUPE ADAPTES A UN PATIENT
[72] BRAILOVSKI, VLADIMIR, CA
[72] PETIT, YVAN, CA
[72] SEGUIN, BERNARD, US
[72] BRUMMUND, MARTIN, CA
[72] TIMERCAN, ANATOLIE, CA
[71] UNIVERSITE DE MONTREAL, CA
[71] SOCOVAR, L.P., CA
[71] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[71] LUSSIER, BERTRAND, CA
[22] 2019-11-06
[41] 2020-05-06
[30] US (16181954) 2018-11-06

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[25] EN
[54] LED RETROFIT ASSEMBLY WITH ELECTRICALLY BIASED SUPPORT STRUCTURE
[54] ENSEMBLE DE RETROINSTALLATION A DEL COMPORTANT UNE STRUCTURE DE SUPPORT POLARISEE
[72] VINCENT, JOHN B, US
[72] KADLACEK, NICHOLAS K., US
[71] VINCENT, JOHN B, US
[71] KADLACEK, NICHOLAS K., US
[22] 2019-11-06
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[51] Int.Cl. H04R 1/44 (2006.01) H04R 1/42 (2006.01) G01L 27/00 (2006.01)
[25] EN
[54] A PRESSURE REGULATOR
[54] REGULATEUR DE PRESSION
[72] LAMBERT, MICHAEL, GB
[72] MAYNE, KEITH, GB
[72] LATTER-STAPLEY, TOM, GB
[71] FISH GUIDANCE SYSTEMS LTD, GB
[22] 2019-11-06
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[30] GB (1818150.3) 2018-11-07

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[13] A1
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[25] EN
[54] AUTONOMOUS CASH BOX AND PAYMENT TERMINAL RECEIVING THE AUTONOMOUS CASH BOX
[54] TIROIR-CAISSE AUTONOME ET TERMINAL DE PAIEMENT RECEVANT LE TIROIR-CAISSE AUTONOME
[72] ROBITAILLE, CYRIL, CA
[71] ROBITAILLE, CYRIL, CA
[22] 2019-11-06
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[30] US (62/756,965) 2018-11-07

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[13] A1
[51] Int.Cl. A61F 5/042 (2006.01), A61F 5/01 (2006.01)
[25] EN
[54] DEVICE FOR TREATING DYSARTHROSIS
[54] DISPOSITIF POUR TRAITER LA DYSARTHROSE
[72] SHIH, WAN-HSI, CN
[71] SHIH, WAN-HSI, CN
[22] 2019-11-06
[41] 2020-05-08
[30] TW (107139716) 2018-11-08

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[13] A1
[51] Int.Cl. E21B 19/00 (2006.01), E21B 19/14 (2006.01)
[25] EN
[54] TUBULAR STAND BUILDING CONTROL SYSTEMS AND METHODS
[54] SYSTEMES ET METHODES DE CONTROLE D`UN MONTAGE DE KIOSQUE COMPORTANT DES TUBULAIRES
[72] NEUVILLE, DAX, US
[72] BEGNAUD, BRIAN, US
[72] COLE, CORY, US
[71] FRANK'S INTERNATIONAL, LLC, US
[22] 2019-11-06
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[25] EN
[54] CASTABLE SONAR DEVICES AND OPERATIONS IN A MARINE ENVIRONMENT
[54] SONARS JETABLES A LA MER ET OPERATIONS DANS UN ENVIRONNEMENT MARIN
[72] CLARK, JEREMIAH, US
[72] CORBETT, ANDREW, US
[72] HARNETT, MARK N., US
[72] CITAL, ALAN ISLAS, US
[72] ISAACSON, THOMAS E.H., US
[72] LASTER, MATTHEW, US
[72] NEWBERRY, WILLIAM B., JR., US
[72] REED, SHAUNA, US
[72] SNYDER, KRISTOPHER C., US
[71] NAVICO HOLDING AS, NO
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[51] Int.Cl. C04B 38/10 (2006.01) B28C 5/00 (2006.01) C04B 9/00 (2006.01) C04B 28/30 (2006.01) F16L 59/04 (2006.01)
[25] EN
[54] AN INSULATION MATERIAL AND METHOD OF MAKING SAME
[54] MATERIAU D`ISOLATION ET METHODE DE FABRICATION
[72] BROWN, DOUG, CA
[71] MGO SYSTEMS LTD., CA
[22] 2019-11-06
[41] 2020-05-06
[30] US (62/756,337) 2018-11-06

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[25] EN
[54] METHOD FOR PARAMETERIZING A MACHINE-VISION LIGHTING DEVICE
[54] METHODE DE PARAMETRAGE D`UN DISPOSITIF DE VISIONIQUE AVEC CONFIGURATION D`ECLAIRAGE
[72] MAZEAUD, GUILLAUME, GB
[72] MCKINLEY, JACK, GB
[72] GATEV, NEDKO, GB
[71] TPL VISION UK LTD, GB
[22] 2019-11-05
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[25] EN
[54] METHOD, MEDIUM, AND SYSTEM FOR WEB-BASED DATA TRANSFER FOR A DENTAL OR DENTAL-SURGICAL TREATMENT OR DIAGNOSIS SYSTEM
[54] METHODE, SUPPORT ET SYSTEME DE TRANSFERT DE DONNEES SUR LE WEB POUR UN SYSTEME DE TRAITEMENT OU DE DIAGNOSTIC DENTAIRE OU CHIRURGICAL DENTAIRE
[72] SCHOCHL, ANDREAS, AT
[72] REITER, MICHAEL, AT
[71] W & H DENTALWERK BURMOOS GMBH, AT
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[25] EN
[54] MULTIFUNCTIONAL BATTERY PACKAGING AND INSULATION
[54] BLOC ET ISOLATION DE BATTERIE MULTIFONCTIONNELS
[72] POLUS, JEFFREY E., US
[71] THE BOEING COMPANY, US
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[30] US (16/183093) 2018-11-07

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[13] A1
[51] Int.Cl. E03D 5/09 (2006.01) E03D 1/34 (2006.01)
[25] EN
[54] LEVER ASSEMBLY
[54] ENSEMBLE LEVIER
[72] LE, TUAN, US
[72] BHATT, ADVAIT, US
[71] FLUIDMASTER, INC., US
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[51] Int.Cl. A61F 5/05 (2006.01)
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[54] ADJUSTABLE ORTHOPAEDIC ORTHOSIS
[54] ORTHESE ORTHOPEDIQUE AJUSTABLE
[72] ENGELSHOVEN, WOUTER ROBIN, NL
[71] WE DESIGN BEHEER B.V., NL
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[25] EN
[54] FURNITURE OBJECT INCLUDING SEALABLE ENCLOSURE FOR STORING PIECE OF SEPARATE FURNITURE OBJECT
[54] OBJET DE MOBILIER COMPRENANT UNE ENCEINTE SCELLABLE POUR L`ENTREPOSAGE D`UN OBJET DE MOBILIER DISTINCT
[72] KANTHASAMY, ABEDAN, CA
[71] KANTHASAMY, ABEDAN, CA
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[51] Int.Cl. B60L 58/12 (2019.01) B60L 58/10 (2019.01)
[25] EN
[54] A BATTERY STATE MONITORING SYSTEM AND METHOD THEREFOR
[54] SYSTEME DE SURVEILLANCE DE L`ETAT D`UNE BATTERIE ET METHODE CONNEXE
[72] HENRICHS, MARK ALAN, US
[72] REYNOLDS,NATHAN THOMAS, US
[71] TRAPEZE SOFTWARE GROUP INC., US
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[51] Int.Cl. A01F 25/00 (2006.01)
[25] EN
[54] METHOD FOR STORING HARVESTED PHOTOSYNTHETIC ACTIVE HORTICULTURAL PRODUCE
[54] METHODE DE STOCKAGE D`UN PRODUIT HORTICOLE PHOTOSYNTHETIQUE ACTIF RECOLTE
[72] LEFSRUD, MARK, CA
[72] HAMMAD, KAMAL, CA
[72] RUFYIKIRI, SOPHIE ANNE, CA
[71] U TECHNOLOGY CORPORATION, CA
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[25] EN
[54] EFFICIENT BUNDLING AND DELIVERY OF CLIENT-SIDE SCRIPTS
[54] REGROUPEMENT ET LIVRAISON EFFICACES DE SCRIPTS COTE CLIENT
[72] STRIMPEL, JASON, US
[71] SERVICENOW, INC., US
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[25] EN
[54] MACHINE LEARNING BASED DISCOVERY OF SOFTWARE AS A SERVICE
[54] APPRENTISSAGE AUTOMATIQUE FONDE SUR LA DECOUVERTE D`UN LOGICIEL COMME SERVICE
[72] PETERKIN, GAVIN THOMAS, US
[71] SERVICENOW, INC., US
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[41] 2020-05-09
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[25] EN
[54] ALIAS CAPTURE TO SUPPORT SEARCHING FOR AN OBJECT-OF-INTEREST
[54] ENREGISTREMENT D`ALIAS A L`APPUI D`UNE RECHERCHE D`OBJET D`INTERET
[72] DOUMBOUYA, MOUSSA, CA
[72] HU, YANYAN, CA
[72] PIETTE, KEVIN, CA
[72] RUSSO, PIETRO, CA
[72] VENETIANER, PETER L., CA
[72] YU, BO YANG, CA
[71] AVIGILON CORPORATION, CA
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[25] EN
[54] LIPOPHILIC ACTIVE ORAL FILM FORMULATION AND METHOD OF MAKING THE SAME
[54] FORMULATION DE TIMBRE ORAL LIPOPHILE ACTIF ET METHODE DE FABRICATION
[72] PAIEMENT, NADINE, CA
[72] CONWAY, JUSTIN W., CA
[72] MADWAR, CAROLIN, CA
[71] INTELGENX CORP., CA
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[54] AUTOMATIC PET MEDICINE SYSTEM AND METHOD
[54] SYSTEME ET METHODE DE DETERMINATION AUTOMATIQUE D`UN MEDICAMENT POUR ANIMAUX
[72] SHADDY, THOMAS AARON, US
[71] SHADDY, THOMAS AARON, US
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[54] VEHICULE A TROIS ROUES
[72] BATTAGLINI, GIANCARLO, US
[72] REMPELEWERT, BRET H., US
[72] MAZOUR, SCOTT T., US
[72] BIEGLER, KRISTOPHER K., US
[72] EVENSON, RICKIE A., US
[71] POLARIS INDUSTRIES INC., US
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[51] Int.Cl. B60R 22/34 (2006.01) B60R 22/48 (2006.01)
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[54] BOUCLE DE GESTION ENERGETIQUE POUR CEINTURE DE SECURITE
[72] HOLROYD, JAMES A. J., US
[72] MARKO, SHANE W., US
[72] VOGL, DANIEL W., US
[71] POLARIS INDUSTRIES INC., US
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[25] EN
[54] TOKENIZED MOBILE DEVICE UPDATE SYSTEMS AND METHODS
[54] SYSTEMES ET METHODES A JETONS DE MISE A JOUR D`APPAREILS MOBILES
[72] KOEPPEL, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
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[25] EN
[54] AUTONOMOUS THRUST VECTORING RING WING POD
[54] AILE-NACELLE ANNULAIRE A ORIENTATION DE LA POUSSEE AUTONOME
[72] MORRIS, KEVIN, CA
[72] BRODEUR, NICHOLAS, CA
[72] FENNY, CARLOS, US
[71] TEXTRON INNOVATIONS INC., US
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[25] EN
[54] SYSTEMS AND METHODS FOR AUTOMATIC ROUTE RE-DETERMINATION FOR AN UNMANNED AERIAL VEHICLE
[54] SYSTEMES ET METHODES POUR LE REACHEMINEMENT AUTOMATIQUE D`UN VEHICULE AERIEN SANS PILOTE
[72] PARK, KEVIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-11-07
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[13] A1
[51] Int.Cl. G01N 21/84 (2006.01) H05B 47/00 (2020.01)
[25] EN
[54] ILLUMINATION DEVICE FOR ILLUMINATING A REGION MONITORED BY AT LEAST ONE IMAGE SENSOR
[54] DISPOSITIF D`ECLAIRAGE POUR ECLAIRER UNE REGION SURVEILLEE PAR AU MOINS UN CAPTEUR D`IMAGE
[72] DEMMELHUBER, HERMANN, AT
[72] WALDL, ANDREAS, AT
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2019-11-07
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[13] A1
[51] Int.Cl. G09B 23/32 (2006.01) A61B 5/08 (2006.01)
[25] EN
[54] BENCHTOP WITHIN-BREATH DYNAMIC LUNG SIMULATOR
[54] MODELE PROTOTYPE DE SIMULATEUR DYNAMIQUE DES POUMONS EN RESPIRATION
[72] HANAFIALAMDARI, HAMED, CA
[72] HICKEY, MATTHEW DONALD, CA
[72] BABIN, LEE RYAN, CA
[71] NOVARESP TECHNOLOGIES INC., CA
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[41] 2020-05-09
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[13] A1
[51] Int.Cl. H02G 3/02 (2006.01) H02G 3/08 (2006.01)
[25] EN
[54] CEILING BOX WITH MOUNTING BRACKET
[54] BOITE DE PLAFOND AVEC SUPPORT DE MONTAGE
[72] ZHAO, MINGRONG, CA
[71] ZHAO, MINGRONG, CA
[22] 2019-11-07
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[51] Int.Cl. A61K 9/72 (2006.01) A24F 40/00 (2020.01) A24F 40/10 (2020.01) A24F 40/42 (2020.01) A61K 36/185 (2006.01) C09K 3/30 (2006.01)
[25] EN
[54] LIQUID COMPOSITION FOR AN ELECTRONIC VAPOR DEVICE
[54] COMPOSITION LIQUIDE POUR UN DISPOSITIF ELECTRONIQUE DE VAPEUR
[72] HAGEN, GORDON, CA
[71] CRONOS GROUP INC., CA
[22] 2019-11-08
[41] 2020-05-09
[30] US (62/758,218) 2018-11-09

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[13] A1
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[72] SILVA BORGES, ANA FILIPA, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
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[72] ROY, SOUMITRA, NL
[72] VELLINGA, JORT, NL
[72] KHAN, SELINA, NL
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[54] PROCEDE ET SYSTEME DE MESURE D'UN NIVEAU DE LIQUIDE DANS UN RECIPIENT SOUS PRESSION D'UNE INSTALLATION DE SYNTHESE D'UREE
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[71] CHILDREN'S HOSPITAL AND CLINICS OF MINNESOTA, US
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[54] PEPTIDES A ACTIVITE ANTICANCEREUSE ET LEURS UTILISATIONS
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[71] SUIGENERIS FARMACOSMETICS, S.L., ES
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[72] WANG, YULEI, US
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[72] XU, HUI, US
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[72] BACHRACH, NATHANIEL, US
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[72] RASMUSSEN, ROBERT, US
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[71] BAXTER HEALTHCARE SA, CH
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[72] PRUITT, JUDITH G., US
[72] WHITE, SKYLAR R., US
[71] NCH LIFE SCIENCES LLC, US
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[72] GRANIER, BRADY JAMES, US
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[54] APPAREIL ET PROCEDE D'IDENTIFICATION DE SONDE DE MACHINE DE MESURE DE COORDONNEES
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[72] KOCIC, MILAN, US
[72] MARIANI, MICHAEL, US
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[54] DISPOSITIF MODULATEUR DE PHASE A ALIGNEMENT SUR ETAT DISPERSE/CISAILLE DE POLYMERE
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[72] HARUSH, ELIYAHU, IL
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[54] REVETEMENTS HYDROPHOBES DESTINES A DES METAUX INCORPORANT DES OXYDES ANODIQUES ET DES OXYDES DE TERRES RARES ET LEURS PROCEDES D'APPLICATION
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[54] SYSTEME ET PROCEDE DE RESOLUTION D'IDENTITE SUR UN ENSEMBLE DE RESEAUX DISPARATES DE REGISTRES DISTRIBUES IMMUABLES
[72] KHAN, SALEEM, US
[72] GOSTYLO, JACOB CALEB, US
[71] THE DUN & BRADSTREET CORPORATION, US
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[54] SYSTEMES, PROCEDES ET DISPOSITIFS POUR TRAITEMENT DE DONNEES DE SANTE AGREGEES ET PLATEFORMES DE GENERATION DE RECOMMANDATION DE TRAITEMENT
[72] WRIGHT, DAVID BRUCE, US
[72] PURSER, SHANNAN MICHELLE BOOTH, US
[72] WINTER, BRYAN ROSS, US
[71] ADVENTIA TECHNOLOGY, LLC, US
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[54] PROCEDES ET DISPOSITIFS D'IMAGERIE MAGNETIQUE POUR L'INVENTAIRE D'UNE FONCTION CORTICALE CEREBRALE HUMAINE
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[72] SUDRE, GUSTAVO P., US
[71] BRAINT F.I.T. IMAGING, LLC, US
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[71] SAKURA FINETEK U.S.A., INC., US
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[72] JEBSEN, CHRISTIAN, DE
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[72] DAHL, LUDMILLA, DE
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[54] ALLIAGE DE TITANE POUVANT ETRE TRAITE THERMIQUEMENT AMELIORE
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[71] MONASH UNIVERSITY, AU
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[72] LEE, TED TANG, US
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[72] REGO, DAVID, US
[72] SCHOONMAKER, RYAN EVERETT, US
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[72] GADD, CRAIG THOMAS, US
[72] STEWART, KYLE THOMAS, US
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[71] TECHNICAL CONSUMER PRODUCTS, INC., US
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[72] FANG, QI, AU
[72] CURATOLO, ANDREA, AU
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[72] GARDAI, SHYRA, US
[72] TAFT, DAVID, US
[72] OGDEN,CAROL ANNE, US
[71] SEATTLE GENETICS, INC.,US
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[72] RICHARDSON, JENNIFER HOPE, US
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[72] TERRETT, JONATHAN ALEXANDER, US
[72] MORGAN-LAPPE, SUSAN E., US
[72] HENRIQUES, TRACY,US
[72] RALSTON, SHERRY L., US
[72] LEANNA, MARVIN ROBERT, US
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[72] BOSE, SAHANA, US
[71] ABBVIE INC., US
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[54] INSTRUMENT DE BIODETECTION MOBILE CAPABLE DE MULTIPLES MODALITES DE DETECTION
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[72] LONG, KENNETH D., US
[71] THE BOARD OFTRUSTEES OFTHE UNIVERSITY OF ILLINOIS, US
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[72] KARANAM, KETKI, US
[72] MUTAMBA, JAMES T., US
[72] SHYAM, RISHAB R., US
[72] SIMPSON, JAMIE,US
[72] HAN, SIFEI, AU
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[72] FERRAND, MAXIME, FR
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[72] KRASKOUSKAYA, DZIYANA, CA
[72] CABRAL, AARON, CA
[72] MURCAR-EVANS, BRONTE, CA
[72] TOUTAH, KRIMO, CA
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[72] HILHORST, GERRIT ANTHON RENE, NL
[72] KUSUMAWARDANI, HENY, NL
[72] PAPAGEORGIOU, APOSTOLOS, NL
[72] VAN DER VOORT MAARSCHALK, KEES, NL
[71] PURAC BIOCHEM B.V., NL
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[54] SYSTEMES ET PROCEDES DE CONTROLE D'EMISSIONS DE GAZ A EFFET DE SERRE ASSOCIEES A UNE ENTITE
[72] BRIDGE, DAVID, CA
[72] HOFFMAN, RUSTON JEROEN, CA
[71] DYNACERT INC., CA
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[54] SYSTEME D'ENDOSCOPE D'IMAGERIE ET METHODES ASSOCIEES
[72] WARD-BOOTH, PATRICK, GB
[72] MILLER, ANDREW, GB
[72] MARTIN, PAUL, GB
[72] FIELD, STEPHEN, GB
[72] BRITTON, POLLY, GB
[71] I.Q. ENDOSCOPES LTD, GB
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[54] ADHERENCE RENFORCEE PAR DE LA LIGNINE DE PRODUITS DE PANNEAUX COMPOSITES EN BOIS
[72] ZHANG, YAOLIN, CA
[72] KOUISNI, LAMFEDDAL, CA
[72] PALEOLOGOU, MICHAEL, CA
[72] PARADIS-BOIES, SIMON, CA
[72] RAYMOND, STEPHAN, CA
[72] FENG, MARTIN W., CA
[72] HUANG, ZEEN, CA
[71] FPINNOVATIONS, CA
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[54] NOUVELLE METHODE DE SYNTHESE DE POLYNUCLEOTIDES A L'AIDE D'UNE BIBLIOTHEQUE DIVERSIFIEE D'OLIGONUCLEOTIDES
[72] VLADAR, HAROLD PAUL, AT
[72] FERNANDES REDONDO, RODRIGO APARECIDO, GB
[71] RIBBON BIOLABS GMBH, AT
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[54] PROCEDE ET APPAREIL DE RECHERCHE, ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR NON TEMPORAIRE
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[72] QIN, TINGLI, CN
[71] 10353744 CANADA LTD., CA
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[72] INGLIS, PETER DOUGLAS COLIN, US
[72] MCGRATH, MATTHEW JOHN ROSS, US
[72] NG. MICHAEL, CN
[71] AIRCRAFT MEDICAL LIMITED, GB
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[54] MOYEN DE DIAGNOSTIC POUR LA DETECTION ET/OU LA QUANTIFICATION D'UNE PLURALITE D'ANALYTES PRESENTS DANS UN ECHANTILLON
[72] CHABOTTAUX, VINCENT, BE
[72] GLOUDEN, THOMAS, BE
[72] GRANIER, BENOIT, BE
[71] UNISENSOR, BE
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[54] PRODUITS TEXTURES ANALOGUES AUX FRUITS DE MER, USAGE D'AMIDON DE POIS ET D'AMIDON DE POMME DE TERRE POUR REMPLACER LE BLANC D' UF, ET PROCEDE DE PREPARATION
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[72] GUIOT, LUDIVINE, FR
[71] COSUCRA GROUPE WARCOING S.A., BE
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[72] BALKAU, WERNER, CH
[71] TCHIBO GMBH, DE
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[54] AIGUILLE DE MICROBIOPSIE
[72] PLODINEC, MARIJA, CH
[72] ZWEIFEL, LUDOVIT PAVEL, CH
[72] OERTLE, PHILIPP MAXIMILLIAN, CH
[72] STUMPP, ARMIN, CH
[72] LOPARIC, MARKO, CH
[71] UNIVERSITAT BASEL, CH
[71] ARTIDIS AG, CH
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[54] PRODUIT DE COMBINAISON POUR LE TRAITEMENT DU CANCER
[72] VUAGNIAUX, GREGOIRE, CH
[72] WIEDEMANN, NORBERT, CH
[72] ZANNA, CLAUDIO, CH
[71] DEBIOPHARM INTERNATIONAL S.A., CH
[71] MERCK PATENT GMBH, DE
[71] PFIZER INC., US
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[54] PROCEDE POUR L'HYDROLYSE ENZYMATIQUE DE MATIERE LIGNOCELLULOSIQUE ET LA FERMENTATION DE SUCRES
[72] APPELDOORN, MAAIKE, NL
[72] SCHMITZ, JOZEF PETRUS JOHANNES, NL
[72] NOORDAM, BERTUS, NL
[71] DSM IP ASSETS B.V., NL
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[54] PROCEDE DE GENERATION D'ANTICORPS MULTISPECIFIQUES A PARTIR D'ANTICORPS MONOSPECIFIQUES
[72] BRINKMANN, ULRICH, DE
[72] DENGL, STEFAN, DE
[72] GEORGES, GUY, DE
[72] HOFFMANN, EIKE, DE
[72] MAYER, KLAUS, DE
[72] BORMANN, FELIX, DE
[71] F.HOFFMANN-LA ROCHE AG, CH
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[54] LIGATURE A MATRICE D'ARN
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[72] KUHNEMUND, MALTE, SE
[72] KRZYWKOWSKI, TOMASZ, SE
[71] CARTANA AB, SE
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[54] FILMS PLASTIQUES POUR DOCUMENTS D'IDENTITE, A LUMINOSITE AMELIOREE D'HOLOGRAMMES ESTAMPES
[72] TZIOVARAS, GEORGIOS, DE
[72] PUDLEINER, HEINZ, DE
[72] PLANKEN, KIRA, DE
[72] JANKE, STEFAN, DE
[72] KOHLER, CHRISTOPH, DE
[71] COVESTRO DEUTSCHLAND AG, DE
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[54] PROCEDE ET SYSTEME D'ELIMINATION D'IONS SULFURE D'HYDROGENE (HS-) D'UNE LIQUEUR D'UN PROCESSUS DE FABRICATION DE PATE A PAPIER
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[72] VALIMAKI, ERKKI, FI
[72] HILLI, TUOMO, FI
[71] VALMET TECHNOLOGIES OY, FI
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[72] STANCZUK, LUKAS, GB
[71] AUTOLUS LIMITED, GB
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[54] POMPE A BARILLET ROTATIF AVEC MOYENS DE GUIDAGE ET DE CENTRAGE DU BARILLET DISTINCTS
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[72] TROST, JULIEN, FR
[72] PAGNIER, PHILIPPE, FR
[71] IFP ENERGIES NOUVELLES, FR
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[71] POXEL, FR
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[54] AMIDES POLYCYCLIQUES UTILISES EN TANT QUE MODULATEURS ALLOSTERIQUES POSITIFS DU RECEPTEUR MUSCARINIQUE M1
[72] NIROGI, RAMAKRISHNA, IN
[72] MOHAMMED, ABDUL RASHEED, IN
[72] SHINDE, ANIL KARBHARI, IN
[72] GAGGINAPALLY, SHANKAR REDDY, IN
[72] KANCHARLA, DURGA MALLESHWARI, IN
[72] PANDEY, SANTOSH KUMAR, IN
[72] ABRAHAM, RENNY, IN
[72] JASTI, VENKATESWARLU, IN
[71] SUVEN LIFE SCIENCES LIMITED, IN
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[54] TETE D'EXTRUSION D'UN PROFILE COMPLEXE FORME DE PROFILES JUXTAPOSES
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[72] RABHI, MOHAMED, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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[54] PROCEDE DE DECAPAGE DE TOLES D'ACIER
[72] NAVES ARNALDOS, ANDREA, ES
[72] PIEDRA FERNANDEZ, ELENA, ES
[72] MENENDEZ DELMIRO, VANESA, ES
[72] LOPEZ GONZALEZ, SALOME, ES
[71] ARCELORMITTAL, LU
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[54] OUTILS DE FORAGE DU SOL COMPORTANT UN INSERT DE JAUGE CONCU POUR PERMETTRE UNE MARCHE DE TREPAN REDUITE, ET PROCEDE DE FORAGE FAISANT APPEL AUXDITS OUTILS
[72] GRIMES, ROBERT E., US
[72] RUSSELL, STEVEN CRAIG, US
[72] EVANS, KENNETH R., US
[72] SLAVENS, STEPHEN MANSON, US
[72] SPENCER, REED W., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
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[25] FR
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[54] PROCEDE DE DETERMINATION D'UNE PRESSION PRECONISEE DE GONFLAGE POUR PNEU AERONEF, ET PROCEDES DE MAINTENANCE ASSOCIES
[72] ARNOUX, MICHAEL, FR
[72] NEBA, ERIC CARIN, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[71] SAFRAN, FR
[71] SAFRAN LANDIND SYSTEMS, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
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[54] NOUVEAUX COMPOSES ET LEUR UTILISATION EN TANT QU'INHIBITEURS SELECTIFS DE CASPASE-2
[72] JACOTOT, ETIENNE, FR
[72] BOSC, ELODIE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] SORBONNE UNIVERSITE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[71] UNIVERSITE DE PARIS, FR
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[54] LENTILLE OPHTALMIQUE ARTIFICIELLE TRIFOCALE, ET PROCEDE POUR SA FABRICATION
[72] KONTUR, LASZLO FERENC, HU
[72] BERCSENYI, DANIEL, HU
[72] ERDEI, GABOR, HU
[72] PAPDI, BENCE, HU
[71] MEDICONTUR ORVOSTECHNIKAI KFT., HU
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[54] PROCEDE DE FABRICATION DE PLAQUE DE PLATRE ET PLAQUE DE PLATRE
[72] TSUNO, NORIO, JP
[72] AMIKURA, SHUNJI, JP
[72] ISHIBASHI, SEIGO, JP
[71] YOSHINO GYPSUM CO., LTD., JP
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[54] COMPOSES BENZOTHIAZOL ET METHODES D'UTILISATION DE CEUX-CI POUR TRAITER DES TROUBLES NEURODEGENERATIFS
[72] LEE, JINHWA, KR
[72] JO, SUYEON, KR
[72] PARK, A YEONG, KR
[72] LEE, GWIBIN, KR
[72] KIM, JAE EUN, KR
[72] KIM, MISOON, KR
[72] JUNG, GYOOSEUNG, KR
[72] LIM, SEUNGMOOK, KR
[72] LIM, KEONSEUNG, KR
[72] LEE, MINWOO, KR
[72] YANG, HEEKYOUNG, KR
[72] KIM, HYONAM, KR
[72] KIM, HYEONGJUN, KR
[72] LI, WANJUN, CN
[72] FAN, MINGZHU, CN
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[72] YAMADA, HIDETAKA, JP
[71] MEINAN MACHINERY WORKS, INC., JP
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[54] PROCEDE DE PREPARATION DE COMPOSITION OU DE COMPOSANT EXTRAIT DE CELLULE AYANT UNE ACTIVITE DE CYTOTOXICITE
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[72] KONDO, YOSHIFUSA, JP
[71] MEDICAL CORPORATION ICHIKAWA CLINIC, JP
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[54] PROCEDE DE FABRICATION DE MEMBRANE CAPILLAIRE DE POLYPHENYLSULFONE POUR FILM HUMIDIFIANT
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[72] SATO, TAKATOSHI, JP
[71] NOK CORPORATION, JP
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[54] DISPOSITIF ET PROCEDE DE NETTOYAGE D'ECHANTILLON
[72] DAVIES, GEOFF, GB
[72] SENIOR, ADAM, GB
[72] WILLIAMS, LEE, GB
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[71] BIOTAGE AB, SE
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[72] WESNER, GREGORY, US
[71] RECEPTOR HOLDINGS, INC., US
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[54] DISPOSITIF D'ISOLATION MONOBLOC INTERNE DE CONNEXION PAR SOUDURE DE CONDUIT
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[54] SYSTEMES ET PROCEDES D'AGENTS CRYOPROTECTEURS D'ORIGINE NATURELLE DESTINES A LA CONSERVATION DE CELLULES
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[72] SHEPHERD, MYLES, US
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[72] NAIR, NIRMALA SANTOSH, IN
[72] RAJKUMAR, SAVITHA, IN
[71] UNILEVER PLC, GB
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[54] COMPOSITIONS BACTERIENNES ET CELLULAIRES POUR LE TRAITEMENT DU CANCER COLORECTAL ET METHODES D'EVALUATION D'UN PRONOSTIC POUR LES PATIENTS ATTEINTS DE CANCER COLORECTAL
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[72] ROBERTI, MARIA PAULA, FR
[71] INSTITUT GUSTAVE ROUSSY, FR
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[54] DERIVES DE RAPAMYCINE
[72] BONAZZI, SIMONE, US
[72] CONNOLLY, MICHAEL, US
[72] GLASS, DAVID JONATHAN, US
[72] MIHALIC, MANUEL, CH
[72] PATTERSON, ANDREW WILLIAM, US
[72] ROGGO, SILVIO, CH
[72] SHAVLAKADZE, TEA, US
[71] NOVARTIS AG, CH
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[54] FUSION LOCALISEE DE VALVES NATIVES A L'AIDE D'UN ADHESIF ACTIVE
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[72] SHEN, SHIH-HWA, US
[72] HSU, HOLLY KUNG JUNG, US
[72] LAI, KRYSTAL YA-FONG, US
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[54] SYSTEME ET PROCEDE D'IDENTIFICATION ET D'AUTHENTIFICATION POUR RETRACER DES BIENS AGRICOLES, ELEMENT D'IDENTIFICATION POUR L'IDENTIFICATION SECURISEE DE BIENS AGRICOLES ET PROGRAMMES INFORMATIQUES CORRESPONDANTS
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[71] SICPA HOLDING SA, CH
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[54] PROCEDE DE SELECTION D'UN PROBIOTIQUE
[72] DUBOUX, STEPHANE, CH
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[72] POQUET, LAURE, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[25] EN
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[54] NOUVEAUX COMPOSES DE SULFONAMIDE CARBOXAMIDE
[72] COOPER, MATTHEW, GB
[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS,GB
[72] THOM, STEPHEN,GB
[72] ST-GALLAY, STEPHEN, GB
[72] SHANNON, JONATHAN,GB
[72] STRUTT, IAN, GB
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[54] METHODE PERMETTANT DE TRAITER LA SCLEROSE LATERALE AMYOTROPHIQUE ET METHODE PERMETTANT D'EMPECHER LA PROGRESSION DE LA SCLEROSE LATERALE AMYOTROPHIQUE
[72] MERRILL, CHARLOTTE, US
[72] AGNESE, WENDY, US
[72] ATASSI, NAZEM, US
[72] GRABOWSKY, TARA, US
[72] SAKATA, TAKESHI, JP
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
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[54] REACTEUR A SPECTRE RAPIDE A METAL LIQUIDE DE TYPE PISCINE UTILISANT UNE CONNEXION D'ECHANGEUR DE CHALEUR A CIRCUIT IMPRIME AU SYSTEME DE CONVERSION DE PUISSANCE
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[54] SYSTEME DE RECHERCHE POUR EXTRACTION DE BIOSIGNATURE ET DECOUVERTE DE BIOMARQUEURS
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[72] SILBERSWEIG,DAVID, US
[72] PAN, HONG, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
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[54] AMPLIFICATEURS DE SOLUBILITE DE GLYCOSIDE DE STEVIOL
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[72] YANG, ZHENG, US
[71] CARGILL, INCORPORATED, US
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[72] WAMPFLER, SIMON, CH
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[54] SYSTEME D'EXTRACTION PHYTOCHIMIQUE ET PROCEDES D'EXTRACTION DE PRODUITS PHYTOCHIMIQUES PRESENTS DANS LES PLANTES, Y COMPRIS CELLES DE LA FAMILLE DES CANNABACEAE STRICTO SENSU
[72] LOPA, FRANK AUGUSTINO, US
[71] PRIYA NATURALS, INC., US
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[54] SYSTEMES D'ADMINISTRATION DE MEDICAMENTS ET PROCEDES ASSOCIES
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[72] DEATON, DAN, US
[72] HIMEL, DENNY, US
[72] FOSTER, BRIAN, US
[72] FERRITER, MATTHEW, US
[72] DWIVEDI, SARVAJNA KUMAR, US
[72] KING, MICHAEL L., US
[72] HAMLIN, FRED, US
[72] SHEEHY, ROBERT V., JR., US
[72] LIBBY, GERARD, US
[72] NEGI, VIPUL, US
[72] WOODARD, KYLE, US
[71] PEARL THERAPEUTICS, INC., US
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[25] EN
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[54] COMPOSES MODIFICATEURS SENSORIELS
[72] GASPARD, DANS., US
[72] MORTENSON, MICHAEL ALAN, US
[72] SARANGAPANI, RAMA KRISHNA, US
[72] SCHMELZER, WADE NOLAN, US
[72] ZARTH, ADAM T., US
[72] MARASCO, ERIN KATHLEEN, US
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[54] DISPOSITIF PYROTECHNIQUE AERONAUTIQUE POUVANT ETRE COMMANDE A DISTANCE
[72] HILL, JEFFREY, US
[71] OVERWERX LTD., GB
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[54] COMPOSITIONS DE GLYCOSIDE DE STEVIOL AYANT UNE TENSION SUPERFICIELLE REDUITE
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[72] STEINBACH, ADAM JOHN, US
[72] ZARTH, ADAM T., US
[71] CARGILL, INCORPORATED, US
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[54] CONJUGUE ANTICORPS-DERIVE DE PYRROLOBENZODIAZEPINE
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[72] OTA, YUSUKE, JP
[72] DOI, FUMINAO, JP
[72] MEGURO, MASAKI, JP
[72] HAYAKAWA, ICHIRO, JP
[72] ASHIDA, SHINJI, JP
[72] MASUDA, TAKESHI, JP
[72] NAKADA, TAKASHI, JP
[72] IWAMOTO, MITSUHIRO, JP
[72] HARADA, NAOYA, JP
[72] TERAUCHI, TOMOKO, JP
[72] OKAJIMA, DAISUKE, JP
[72] NAKAMURA, KENSUKE, JP
[72] UCHIDA, HIROAKI, JP
[72] HAMADA, HIROFUMI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
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[25] EN
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[54] APPAREIL D'ALIGNEMENT D'ARTICLES EN FORME DE BOITE DE DIVERSES TAILLES SUR UNE BANDE TRANSPORTEUSE, STATION D'IMPRESSION, STATION DE LECTURE ET STATION D'ETIQUETAGE LE COMPRENANT
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[54] ACIER INOXYDABLE, POUDRE PRE-ALLIEE OBTENUE PAR ATOMISATION DE CET ACIER ET UTILISATION DE CETTE POUDRE PRE-ALLIEE
[72] TIDESTEN, MAGNUS, SE
[72] SJOQVIST PERSSON, EVA, SE
[72] BRANNBACKA, MAGNUS, SE
[71] UDDEHOLMS AB, SE
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[72] LIN, SUSAN S., US
[71] INFECTIOUS DISEASE RESEARCH INSTITUTE, US
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[54] SYSTEME SANS FIL ET PROCEDE D'IDENTIFICATION D'OUTIL DE TRAVAIL CONNECTE
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[72] VENESHETTY, ARJUN, US
[71] CATERPILLAR INC., US
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[54] GENERATION DE CHAMP MAGNETIQUE AVEC REFROIDISSEMENT MAGNETO-CALORIQUE
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[72] REYNOLDS, SEAN, WILLIAM, US
[72] HALL, SEAN, CLAUDIUS, US
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[72] MORTON, STEVEN P., CA
[72] ARMSTRONG, MARK W., CA
[72] GRIFFIN, ROBERT J., CA
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[72] TAPPEL, RYAN CHRISTOPHER, US
[72] BEHRENDORFF, JAMES BRUCE YARNTON HAYCOCK, US
[72] KOEPKE, MICHAEL, US
[72] MARCELLIN, ESTEBAN, US
[72] LEMGRUBER, RENATO DE SOUZA PINTO, US
[72] VALGEPEA, KASPAR, US
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[54] SYSTEMES, CATHETERS ET PROCEDES DE TRAITEMENT LE LONG DU SYSTEME NERVEUX CENTRAL
[72] LAD, SHIVANAND P., US
[72] MCCABE, AARON R., US
[72] ZITELLA VERBICK, LAURA MARIE, US
[72] HEDSTROM, BLAKE, US
[72] STOLL, MATTHEW, US
[72] MONDRY, JACK, US
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[54] DISPOSITIFS, SYSTEMES ET PROCEDES D'INCUBATION MICROBIENNE
[72] VACIC, ALEKSANDAR, US
[72] PURMORT, NATHAN, US
[72] FLOYD, FREDERICK P., JR., US
[72] DEAN, JOSHUA, US
[72] LYSY, GEORGE, US
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[54] UTILISATION D'INHIBITEURS DE P38 POUR REDUIRE L'EXPRESSION DE DUX4
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[72] ROJASSOTO, LUIS GUSTAVO ALEJANDRO, US
[72] THOMPSON, LORIN A., III, US
[72] WALLACE, OWEN BRENDAN, US
[72] CHANG, AARON NAKWON, US
[72] ROBERTSON, ALAN SCOTT, US
[72] SHEN, NING, US
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[71] FULCRUM THERAPEUTICS, INC., US
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[54] AMPLIFICATEURS DE SOLUBILITE DE GLYCOSIDE DE STEVIOL
[72] GASPARD, DANS., US
[72] KHARE, ANIL BHAGWAN, US
[72] YANG, ZHENG, US
[72] ZARTH, ADAM T., US
[71] CARGILL, INCORPORATED, US
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[54] COMPOSITIONS DE GLYCOSIDES DE STEVIOL FACILEMENT SOLUBLES
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[72] ZARTH, ADAM T., US
[71] CARGILL, INCORPORATED, US
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[54] OBTURATEUR FORME A PARTIR D'UN MATERIAU A DESINTEGRATION A LA DEMANDE (DOD)
[72] XU, YINGQING, US
[72] WRIGHT, BEAU, US
[72] XU, ZHIYUE, US
[72] DOANE, JAMES, US
[72] JOHNSON, MIKE, US
[72] FARMER, JACK, US
[72] RUDDOCK, DAVID, US
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[72] FAHRNER, VINCENT, FR
[71] WESTROCK PACKAGING SYSTEM, LLC, US
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[72] ADAMS, PAUL R., US
[72] SACCOMANDO, DANIEL J., GB
[72] KASSIR, JAMAL, US
[71] THE LUBRIZOL CORPORATION, US
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[54] PROCEDES DE TRAITEMENT D'INFECTIONS BACTERIENNES
[72] ALEXANDER, ELIZABETH, US
[72] LOUTIT, JEFF, US
[72] DUDLEY, MICHAEL N., US
[71] MELINTA THERAPEUTICS, INC., US
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[54] PROCEDES ET APPAREIL DE COMMANDE DE DEPOT DE CONTAMINANT SUR UNE SURFACE EMETTRICE D'ELECTRONS DE DYNODE
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[72] SHANLEY, TOBY, AU
[71] ADAPTAS SOLUTIONS PTY LTD, AU
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[54] SYSTEME ET PROCEDE DE REDUCTION D'ARTEFACTS EN BLOCS ET DE PRODUCTION D'UNE EFFICACITE DE CODAGE AMELIOREE
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[72] LUTHRA, AJAY, US
[71] ARRIS ENTERPRISES LLC, US
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[54] KIOSQUE DE DISTRIBUTION DE PRODUITS DE SOINS DE PIED
[72] PENTA, RAMA, US
[72] WEICK, DANIEL, US
[72] SUKUMARAN, MANIKANDAN, US
[72] AYOUBI, HASSAN, US
[72] PARK, KYEONG HO, US
[72] MENDELOWITZ, HOWARD, US
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[71] SCHOOL'S WELLNESS COMPANY LLC, US
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[72] GOLD, MARK N., US
[72] BELL, DAVID W., US
[71] STEMCO PRODUCTS, INC., US
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[54] COMPOSITION ET PROCEDE POUR INHIBER L'ADHERENCE MICROBIENNE SUR DES SURFACES
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[72] CAREY, WILLIAM, US
[71] SOLENIS TECHNOLOGIES, L.P., US
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[72] HUFFER, SCOTT W., US
[71] SONOCO DEVELOPMENT, INC., US
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[54] SYSTEM AND METHOD FOR MACHINE LEARNING-DRIVEN OBJECT DETECTION
[54] SYSTEME ET PROCEDE DE DETECTION D'OBJETS GUIDEE PAR APPRENTISSAGE AUTOMATIQUE
[72] VO, NHAT, AU
[72] CHALLA, SUBHASH, AU
[72] QUINN, LOUIS, AU
[71] SENSEN NETWORKS GROUP PTY LTD, AU
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[72] BLACKFORD, MICHAEL "WOODY", US
[72] MERGY, JEFFREY THOMAS, US
[71] COLUMBIA SPORTSWEAR NORTH AMERICA, INC., US
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[54] METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE TROUBLES DU CYCLE DE L'UREE, EN PARTICULIER D'UNE DEFICIENCE EN OTC
[72] SEHGAL, ALFICA, US
[72] SIGOVA, ALLA A., US
[72] ZLOBINE, IGOR, US
[72] SCHWARTZ, BRIAN E., US
[72] BUMCROT, DAVID A., US
[71] CAMP4 THERAPEUTICS CORPORATION, US
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[72] OMER, MOHAMMAD, CA
[72] PIAO, YUNFENG, CA
[72] NOGUEIRA, MARCO PAULO DOS SANTOS, CA
[71] COGNITIVE SYSTEMS CORP., CA
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[72] KUESTER, WILLIAM MATTHEW, US
[72] RICE, ROBERT BENJAMIN, US
[71] TORNIER, INC., US
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[25] EN
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[54] SYSTEME HYDRAULIQUE DOTE D'UNITES HYDRAULIQUES EN RESEAU, COFFRAGE GRIMPANT ET PROCEDE POUR DEPLACER LE COFFRAGE GRIMPANT MUNI D'UN TEL SYSTEME HYDRAULIQUE
[72] ZWERENZ, ANDRE, DE
[72] DEIFEL, DIETER, DE
[72] PARNICA, BOGDAN, DE
[71] PERI GMBH, DE
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[30] DE (10 2017 217 715.2) 2017-10-05

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[54] SYSTEME ET PROCEDE DE FABRICATION DE MICRO-AIGUILLES
[72] NEJAD, HOJATOLLAH REZAEI, US
[72] SADEQI, AYDIN, US
[72] SONKUSALE, SAMEER, US
[71] TRUSTEES OF TUFTS COLLEGE, US
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[54] PROCEDE DE PREPARATION DE PARTICULES COMPOSITES DE CARBONE-GRAPHENE-PLOMB
[72] CHEN, ZHONGWEI, CA
[72] MAO, ZHIYU, CA
[71] CWZE POWER INC., CA
[85] 2020-04-02
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[72] THIBODEAU, RICK, CA
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[72] PUNJANI, ALI, CA
[72] FLEET, DAVID, CA
[72] ZHANG, HAOWEI, CA
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[72] SAVENKOV, YURIJ SEMENOVICH, RU
[72] LISOVIN, IGOR' GEORGIEVICH, RU
[72] RUKAVISHNIKOV, VYACHESLAV EVGEN'EVICH, RU
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[54] EVALUATION DE L'ACTIVITE DE LA VOIE DE SIGNALISATION CELLULAIRE JAK-STAT1/2 AU MOYEN DE LA MODELISATION MATHEMATIQUE D'UNE EXPRESSION GENIQUE CIBLE
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[72] DOU, MENG, NL
[72] VAN DE STOLPE, ANJA, NL
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[54] PROCEDE POUR COMMANDER LE SYSTEME DE DEGIVRAGE D'UNE ENTREE D'AIR D'UN MOTEUR A TURBINE A GAZ POUR AERONEF
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[71] BIOGEMMA, FR
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[54] EXPRESSION RECOMBINANTE DE PROTEINE ORF2 DE PCV2B DANS DES CELLULES D'INSECTES
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[72] SANDERS,LISETTE, NL
[72] VAN DER HEIJDEN - LIEFKENS, KARIN HUBERDINA ANTONIA, NL
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[54] PROGRAMMATION MULTI-CRENEAUX A TRANSMISSION REPETITIVE D'UN BLOC DE TRANSPORT COMPRENANT DIFFERENTES VERSIONS DE REDONDANCE
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[72] GAAL, PETER, US
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[54] CARTE POUR CARTOUCHE D'IMPRIMANTE, CARTOUCHE D'IMPRIMANTE ET SYSTEME D'IMPRESSION
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[71] ARTECH GMBH DESIGN + PRODUCTION IN PLASTIC, DE
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[54] EVALUATION D'IMPLANT A L'AIDE D'EMISSIONS ACOUSTIQUES
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[72] LELIE, HERMAN LOUIS, US
[72] MANN, PAULDEEP SINGH, US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2020-04-01
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[54] SOLUTIONS STABLES D'ANTIDEPRESSEURS MULTICYCLIQUES
[72] VAN DER STEEN, HANS, NL
[72] JOLLIE, KAREL (DECEASED), NL
[72] VAN RIJN, WILLEM, NL
[71] LEYDEN TECHNOLOGIES B.V., NL
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[54] HANDLING SYSTEMS, CONTAINERS FOR FOOD AND BEVERAGE, AND CARRIERS
[54] SYSTEMES DE MANIPULATION, CONTENANTS POUR ALIMENTS ET BOISSONS, ET SUPPORTS
[72] QURESHI-ARYA, SAFIA, GB
[71] CUPCLUB LIMITED, GB
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[54] PREPARATION ET STOCKAGE DE FORMULATIONS D'ARN LIPOSOMAL APPROPRIEES POUR UNE THERAPIE
[72] HAAS, HEINRICH, DE
[72] HORNER, SEBASTIAN, DE
[72] ESPARZA BORQUEZ, ISAAC HERNAN, DE
[72] HILLER, THOMAS MICHAEL, DE
[72] BATES, FERDIA, DE
[71] BIONTECH RNA PHARMACEUTICALS GMBH, DE
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[25] EN
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[54] PROCEDE DE FABRICATION D'UNE CHAUSSURE COMPRENANT UN DISPOSITIF DE POMPE A AIR AVEC UN SOUFFLET FORME DANS UNE SEMELLE INTERMEDIAIRE
[72] MOHLMANN, WILHELM, CH
[72] SCHMIDT, JENS, DE
[71] ATMOS AIRWALK AG, CH
[85] 2020-04-02
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[54] SYSTEME DE TRANSMISSION POUR VEHICULES
[72] EDWARDS, NEIL, GB
[72] MACMARTIN, NEIL, GB
[71] FREEFLOW TECHNOLOGIES LIMITED, GB
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[54] MODE DE CONFIDENTIALITE POUR UN DISPOSITIF AUDIO SANS FIL
[72] BAKER, RHODES, US
[72] KARC, JEFFREY, US
[72] KNODE, GALEN, US
[72] NEWMAN, ROBERT C., JR., US
[72] NILL, JOHN, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
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[25] EN
[54] COMPOSITE GLASS PANE HAVING CHAMFERED THROUGH-HOLE
[54] VITRE EN VERRE FEUILLETE AVEC TROU TRAVERSANT CHANFREINE
[72] WESSBERG, HENRIK, SE
[72] UEBELACKER, STEFAN, DE
[72] JACQUES, FLORENCE, DE
[72] YATIM, ALEXANDRA, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
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[25] EN
[54] NON-INVASIVE AMBULATORY MONITORING OF PULSE TRANSIT TIME
[54] SURVEILLANCE AMBULATOIRE SANS EFFRACTION DU TEMPS DE TRANSIT DE POULS
[72] SPENCER, DARREN, GB
[72] BALMFORTH, PETER, GB
[71] DP HOLDING (U.K) LTD., GB
[85] 2020-04-02
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[54] REVETEMENT RESISTANT A L'EROSION ET A L'OXYDE DE CALCIUM-MAGNESIE-ALUMINE-SILICE POUR PROTEGER DES COUCHES DE REVETEMENT DE BARRIERE ENVIRONNEMENTALE ET DE COMPOSITE A MATRICE CERAMIQUE ET PROCEDE DE REVETEMENT PAR PULVERISATION THERMIQUE
[72] CHEN, DIANYING, US
[72] DAMBRA, CHRIS, US
[71] OERLIKON METCO (US) INC., US
[85] 2020-04-01
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[25] EN
[54] COMPOSITION CONTAINING UREA FOR USE IN BRINE FORMATION
[54] COMPOSITION CONTENANT DE L'UREE DESTINEE A ETRE UTILISEE DANS LA FORMATION DE SAUMURE
[72] FARMER, RACHELANN, US
[72] SHIREMAN, DENNIS EARL, US
[72] HAWES, CHARLES L., US
[72] HEALEY, BRETT JUSTIN, US
[72] PETKUS, MATTHEW MICHAEL, US
[71] W.M. BARR & COMPANY, INC., US
[85] 2020-04-01
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[54] ENSEMBLE MONTANT DE SUPPORT
[72] NEWING, WILLIAM, GB
[72] STOCKBRIDGE, CHRIS, GB
[72] AUSTON, OLIVER, GB
[71] CHECKMATE LIFTING & SAFETY LTD, GB
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[54] OPTICALLY CLEAR PRESSURE SENSITIVE ADHESIVES AND USES THEREOF
[54] ADHESIFS SENSIBLES A LA PRESSION OPTIQUEMENT TRANSPARENTS ET UTILISATIONS ASSOCIEES
[72] SHAH, GEETANJALIBEN, US
[72] LIU, YUXIA, US
[71] HENKEL IP & HOLDING GMBH, DE
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[25] EN
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[54] DISPOSITIF ULTRASONORE PORTABLE
[72] SONNENSCHEIN, LAZAR, IL
[71] PULSENMORE LTD., IL
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[54] APPAREIL DE MASSAGE ET SON PROCEDE D'UTILISATION
[72] NASH, PAUL, AU
[71] 3RD WHEEL PRODUCTIONS PTY LTD, AU
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[25] EN
[54] CHIMERIC ANTIGEN RECEPTORS THAT BIND TO SSEA4 AND USES THEREOF
[54] RECEPTEURS ANTIGENIQUES CHIMERIQUES SE LIANT AU SSEA4 ET UTILISATIONS ASSOCIEES
[72] CHEN, LAN BO, US
[71] CHEN, LAN BO, US
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[54] COMPOSITION PHARMACEUTIQUE COMPRENANT UN PROBIOTIQUE ET UN PREBIOTIQUE POUR PREVENIR L'ACQUISITION D'INFECTIONS PHARMACORESISTANTES OU LES TRAITER
[72] MISRA, PRAVAS RANJAN,IN
[71] ASIAN INSTITUTE OF PUBLIC HEALTH, IN
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[25] EN
[54] A PHARMACEUTICAL COMPOSITION COMPRISING A COMBINATION OF PROBIOTIC AND PREBIOTIC TO TREAT STUNTING
[54] COMPOSITION PHARMACEUTIQUE COMPRENANT UNE COMBINAISON DE PROBIOTIQUE ET DE PREBIOTIQUE POUR TRAITER LE RETARD DE CROISSANCE CHEZ LES ENFANTS
[72] MISRA, PRAVAS RANJAN,IN
[71] ASIAN INSTITUTE OF PUBLIC HEALTH, IN
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[54] PORTES DE SIMULATION FERMIONIQUES
[72] BABBUSH, RYAN, US
[71] GOOGLE LLC, US
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[25] EN
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[72] AL-QAISI, MUHAMMAD, US
[71] ALCON INC., CH
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[54] METHODES D'ADMINISTRATION D'AGONISTES DE STING
[72] PESIRIDIS, GEORGE SCOTT, US
[72] RAMANJULU, JOSHI M., US
[72] TRAN, JEAN-LUC, US
[72] YANG, JINGSONG, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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[54] ESPACEUR POUR APPLICATIONS PHOTOVOLTAIQUES
[72] SALA, PAOLO, DE
[72] SOMMER, PETRA, DE
[71] TECHNOFORM GLASS INSULATION HOLDING GMBH, DE
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[25] EN
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[54] DISPOSITIF ET SYSTEME ORIENTABLE
[72] PETITPIERRE, GUILLAUME, CH
[72] BOERS, MARC, CH
[72] RENAUD, PHILIPPE, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DELAUSANNE (EPFL), CH
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[25] EN
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[54] COMPOSES CHIMIQUES
[72] CATALANO, JOHN G., US
[72] CHONG, PEK YOKE, US
[72] DICKSON, HAMILTON D., US
[72] LEIVERS, MARTIN R., US
[72] WEATHERHEAD, JASON GORDON, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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[54] SYSTEME MEDICAL POUR DIAGNOSTIQUER UNE PATHOLOGIE ET/OU UN RESULTAT DE MALADIE COGNITIVE
[72] AHMAD, RABIA, GB
[72] FUENTES, EMMANUEL, US
[72] NGUYEN, QUANG TRUNG, FR
[72] BUCKLEY, CHRISTOPHER, GB
[72] WOLBER, JAN, GB
[71] GE HEALTHCARE LIMITED, GB
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[54] ENSEMBLE CONDUITE DE DISTRIBUTION DE FLUIDE AVEC ENSEMBLE CLAPET D'ARRET
[72] BISHOFF, GUY, CA
[72] BISHOFF, MARK, CA
[71] LORAX SYSTEMS INC., CA
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[25] EN
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[54] SYSTEME ET PROCEDE DE SURVEILLANCE UNIVERSELLE D'EQUIPEMENT DE SITE DE FRACTURATION
[72] STEWART, TREVOR DEAN, US
[72] COX, LLOYD GREGORY, US
[72] SKURDALSVOLD, SCOTT, US
[72] WAGNER, BRYAN, US
[71] S.P.M. FLOW CONTROL, INC., US
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[25] EN
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[54] APPAREIL ET PROCEDE DE DISTRIBUTION DE PRODUITS D'HYGIENE FEMININE A L'AIDE D'UN CAPTEUR DE MOUVEMENT
[72] MORAD, FRED I., US
[72] ACOSTA, ROBERT A., US
[71] TRANZONIC COMPANIES, US
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[54] BIOCONVERSION D'OLEUROPEINE
[72] HORCAJADA, MARIE NOELLE, FR
[72] DUBOUX, STEPHANE, CH
[72] POQUET, LAURE, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[87] (WO2019/092065)
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[54] OUTIL DE POUSSEE A ASSISTANCE MANUELLE POUR CABLES
[72] LEESON, KIM, GB
[72] SHAUN, TREZISE, GB
[72] ETHERIDGE, HARVEY, GB
[71] PPC BROADBAND FIBER LTD., GB
[85] 2020-04-02
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[30] US (62/566,725) 2017-10-02
[30] US (62/626,279) 2018-02-05

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[54] METHOD FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS AND METHOD FOR SUPPRESSING PROGRESS OF AMYOTROPHIC LATERAL SCLEROSIS
[54] METHODE POUR TRAITER LA SCLEROSE LATERALE AMYOTROPHIQUE ET METHODE POUR EMPECHER LA PROGRESSION DE LA SCLEROSE LATERALE AMYOTROPHIQUE
[72] MERRILL, CHARLOTTE, US
[72] AGNESE, WENDY, US
[72] ATASSI, NAZEM, US
[72] GRABOWSKY, TARA, US
[72] SAKATA, TAKESHI, JP
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
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[54] DISPOSITIF DE MANIPULATION D'ARTICLE POUR MONTER DES CARTONS
[72] THIERRY, WILLY G., FR
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2020-04-02
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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] TANAKA, KATSUKI, JP
[72] JOTOKU, KANA, JP
[71] NIPPON STEEL CORPORATION, JP
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[72] GRAHAM, MATTHEW J., US
[72] SCHERGER, CAROLYN, US
[71] ZYMERGEN INC., US
[71] AKRON POLYMER SYSTEMS, INC., US
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[72] DAVIDSON, MATTHEW GENE, US
[72] EKLOV, BRIAN MATTHEW, US
[72] WUTS, PETER, US
[72] LOERTSCHER, BRAD MELVIN, US
[72] SCHOW, STEVEN R., US
[71] VERRICA PHARMACEUTICALS, INC., US
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[72] GREMLING, MICHAEL, BE
[71] ARCELORMITTAL, LU
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[71] ALGORAND INC., US
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[54] PROCEDES EFFICACES D'INDICATION DE RESSOURCE DE SIGNAUX SRS
[72] FAXER, SEBASTIAN, SE
[72] NILSSON, ANDREAS, SE
[72] HARRISON, ROBERT MARK, US
[72] PETERSSON, SVEN, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] INSERT DE COUPE EN CARRE AYANT DES BORDS DE COUPE SECONDAIRES INCURVES ET D'ANGLE, ET OUTIL DE COUPE ROTATIF
[72] SHAPIR, ADI, IL
[71] ISCAR LTD., IL
[85] 2020-04-02
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[54] METAL SOUDE D'ACIER INOXYDABLE A BASE D'AUSTENITE, ET STRUCTURE SOUDEE
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[72] JOTOKU, KANA, JP
[72] TANAKA, KATSUKI, JP
[71] NIPPON STEEL CORPORATION, JP
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[54] MATERIAUX ET PROCEDES D'INHIBITION DE CROISSANCE DE TUMEUR
[72] VIDYASAGAR, SADASIVAN, US
[72] GUPTA, RESHU, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[85] 2020-04-02
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[54] KIT DE FRAISAGE COMPRENANT UN INSERT INDEXABLE SANS TROU ET OUTIL DE POSITIONNEMENT AYANT UNE SURFACE DE SUPPORT D'INSERT
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
[85] 2020-04-02
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[54] OUTIL DE COUPE ET INSERT INDEXABLE NON TRAVERSANT DE TAILLE INFERIEURE ASSOCIE
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
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[54] NOUVEAU PROCEDE DE PRODUCTION DE CANNABIS ET PRODUITS ASSOCIES
[72] MELOUL, JOSEPH, IL
[71] CURO MEDICAL LTD., IL
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[54] ADAPTATEUR D'OREILLE ACOUSTIQUE
[72] SMITH, BENJAMIN A., US
[72] VONESH, MICHAEL J., US
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[54] EMETTEUR D'ONDES ULTRASONORES, DISPOSITIF DE MESURE DU TEMPS DE PROPAGATION, DISPOSITIF DE MESURE DE LA CONCENTRATION EN GAZ, PROGRAMME DE MESURE DU TEMPS DE PROPAGATION ET PROCEDE DE MESURE DU TEMPS DE PROPAGATION
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[72] SHINFUKU, YOSHIFUMI, JP
[72] TORIYAMA, YASUHIRO, JP
[71] UEDA JAPAN RADIO CO., LTD., JP
[71] JAPAN RADIO CO., LTD., JP
[71] NISSHINBO HOLDINGS INC., JP
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[54] COMPOSITION DE RESINE DURCISSABLE ET MATERIAU COMPOSITE A MATRICE DE RESINE RENFORCEE PAR DES FIBRES
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[72] DREUILLES, NICOLAS, US
[72] MEEGAN, JONATHAN, GB
[71] CYTEC INDUSTRIES INC., US
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[54] FEUILLE DE NOYAU ET SON PROCEDE DE FABRICATION
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[72] TANIGUCHI, MAKOTO, JP
[72] ISHIZUKA, ATSUO, JP
[72] DOI, SATOSHI, JP
[72] OKAZAKI, KEIICHI, JP
[72] FUJIMURA, HIROSHI, JP
[72] TAKASE, TATSUYA, JP
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[71] NIPPON STEEL CORPORATION, JP
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[72] GATELY, STEPHEN, US
[71] TRANSLATIONAL DRUG DEVELOPMENT, LLC, US
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[54] INHIBITION DE LA PARAFFINE PAR DES CALIXARENES SOLUBILISES
[72] CABLE, ROBERT, US
[71] SI GROUP, INC., US
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[54] INHIBITION DE LA PARAFFINE PAR DES CALIXARENES
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[71] SI GROUP, INC., US
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[54] JOINT D'ETANCHEITE A REVETEMENTS D'ISOLATION ELECTRIQUE
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[72] BUTTIMER, RYAN, US
[72] TANNER, T. SCOTT, US
[71] GARLOCK PIPELINE TECHNOLOGIES, INC., US
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[72] GORDON, GAILE, US
[71] ENLIGHTED, INC., US
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[54] SYSTEME DE SURVEILLANCE POUR L'IMPRESSION EN TROIS DIMENSIONS
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[72] SERGISON, DANIELP., US
[72] CAI, ZHIJUN, US
[72] CLAR, JEAN-JACQUES, US
[72] REINERS, ERIC A., US
[72] HODEL, BENJAMIN J., US
[72] NAASZ, BENJAMIN L., US
[71] CATERPILLAR INC., US
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[54] ELEMENT THERMO-ELECTRIQUE ENTRAINE PAR DES IMPULSIONS ELECTRIQUES
[72] CARVER, DAVID REGINALD, US
[72] REYNOLDS, SEAN WILLIAM, US
[72] HALL, SEAN CLAUDIUS, US
[71] CALAGEN, INC., US
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[71] ENCITE LLC, US
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[72] NOSKOWICZ, DAVID S., US
[71] MEDLINE INDUSTRIES, INC., US
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[54] PROCEDE ET APPAREIL PERMETTANT D'ADMINISTRER UN STIMULUS A UN IMPLANT OCCLUSIF
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[72] GROVER, GREG, US
[72] MORAN, ERIC, US
[71] CONTRALINE, INC., US
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[54] GRIL DE CUISSON SUR COMMANDE ET PROCEDE DE GRIL
[72] NELSON, DENNIS J., US
[71] TAYLOR COMMERCIAL FOODSERVICE INC., US
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[54] COMPOSITIONS ET METHODES D'UTILISATION DU CIS-4-[2-{[(3S,4R)-3-FLUOROOXAN-4-YL] AMINO}-8-(2,4,6-TRICHLOROANILINO)-9H-PURINE-9-YL]-1-METHYLCYCLOHEXANE-1-CARBOXAMIDE
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[72] GAEBELE, TRACY LEE, US
[72] PU, YU, US
[72] HUANG, LIANFENG, US
[71] CELGENE CORPORATION, US
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[54] DISPOSITIF D'ADMINISTRATION TRANSDERMIQUE DE DEXTROMETHORPHANE
[72] BORSADIA, SURESH, US
[71] SHINKEI THERAPEUTICS LLC, US
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[54] PROCEDES ET SYSTEMES DE SURVEILLANCE DE PUITS SANS INTERVENTION
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[71] VERTICE OIL TOOLS, US
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[54] THERAPIES GENIQUES POUR TROUBLES LYSOSOMAUX
[72] ABELIOVICH, ASA, US
[72] HECKMAN, LAURA, US
[72] RHINN, HERVE, US
[71] PREVAIL THERAPEUTICS, INC., US
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[54] MODELE DE DONNEES OPTIMISE POUR SYSTEME DE BAIL A LOYER DECROISSANT
[72] LUSSI, CRAIG H., US
[71] LUSSI, CRAIG H., US
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[54] ACHEMINEMENT SENSIBLE A L'ENERGIE POUR RESEAUX MAILLES
[72] POORREZAEI, KAMAL, US
[72] DIETRICH, PAUL, US
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[71] MCS INDUSTRIES, INC., US
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[54] RACCORD ROTATIF A PASSAGES MULTIPLES
[72] PETROU, ANTON A., US
[72] FREED, LISA, US
[71] DEUBLIN COMPANY, US
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[54] END EFFECTOR CALIBRATION ASSEMBLIES, SYSTEMS, AND METHODS
[54] ENSEMBLES, SYSTEMES ET PROCEDES D'ETALONNAGE D'EFFECTEUR D'EXTREMITE
[72] CAMBRON, SCOTT DOUGLAS, US
[72] ELI, KYLE, US
[71] ADVANCED SOLUTIONS LIFE SCIENCES, LLC, US
[85] 2020-04-02
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[54] DISPOSITIF MEDICAL POLYVALENT
[72] MENON, RAM KUMAR, IN
[72] KELLY, BRIAN P., US
[72] NEWCOMB, ANNA, US
[71] DIGNITY HEALTH, US
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[54] PREFORMES TISSEES TRIDIMENSIONNELLES POUR RAIDISSEURS EN OMEGA
[72] GOERING, JONATHAN, US
[71] ALBANY ENGINEERED COMPOSITES, INC., US
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[54] MACHINE DE MESURE DE TEMPS DE PROPAGATION, DISPOSITIF DE MESURE DE CONCENTRATION DE GAZ, PROGRAMME DE MESURE DE TEMPS DE PROPAGATION ET PROCEDE DE MESURE DE TEMPS DE PROPAGATION
[72] TSUJIYA, KOUICHI, JP
[72] SHINFUKU, YOSHIFUMI, JP
[72] TORIYAMA, YASUHIRO, JP
[71] UEDA JAPAN RADIO CO., LTD., JP
[71] JAPAN RADIO CO., LTD., JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2020-04-02
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[54] RETROREFLECTEURS QUI FOURNISSENT DES INFORMATIONS CODEES DANS UN LASER NON VISIBLE REFLECHI ET QUI DANS LE MEME TEMPS CONSERVENT DES PROPRIETES DE SECURITE DE LA LUMIERE VISIBLE
[72] HADI, SURA, US
[72] DAVIS, WILLIAM, US
[72] ROBERTS, MICHAEL JOHN BOSWORTH, US
[72] ANDREWS, MICHALYN, US
[71] LIGHTHOUSE & BEACON, INC., US
[85] 2020-04-02
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[54] COMPOSITIONS DE SELS DE SULFASALAZINE ET LEURS PROCEDES D'UTILISATION
[72] ABU-IZZA, KHAWLA, US
[72] PEARSON, DAVID, GB
[72] KENNEDY, LORNA, GB
[72] BENSON, JOSEPH, GB
[71] ABU-IZZA, KHAWLA, US
[71] PEARSON, DAVID, GB
[71] KENNEDY, LORNA, GB
[71] BENSON, JOSEPH, GB
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[54] CAOUTCHOUC A BASE DE DIENE LIQUIDE MODIFIE
[72] MOTODA, SATOSHI, JP
[72] KANEKO, SHUHEI, JP
[72] NOZASA, YU, JP
[72] UEHARA, YOSUKE, JP
[72] KASHIOKA, MASAHIRO, JP
[72] UENO, YOSHIKAZU, JP
[71] KURARAY CO., LTD., JP
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[25] EN
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[54] DISPOSITIF MICROFLUIDIQUE PORTATIF SECURISE, A LA DEMANDE, POUR MELANGER ET DISTRIBUER DES MELANGES DE LIQUIDES, DE SOLUTIONS, DE SUSPENSIONS, D'EMULSIONS ET DE COLLOIDES
[72] WILSON, MATT, US
[72] LIDDLE, SCOTT ERIC, US
[72] GAUSMANN, KEITH, US
[72] GIESLER, JAYSUN, US
[72] LUCK, NATHAN THOMAS, US
[72] POOLE, LONNIE BRENT, US
[72] WHALEN, JON, US
[72] WILSON, TODD, US
[72] CRAWFORD, PETE, US
[72] WICKER, NICOLE KAYLOR, US
[72] COLLETTE, JON, US
[71] ALTOPA, INC., US
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[54] SYSTEMES ET PROCEDES UTILISANT UNE PREVISION PROBABILISTE POUR LA COMMANDE D'EGOUTS A BASE D'AGENT
[72] MONTESTRUQUE, LUIS, US
[72] KERTESZ, RUBEN, US
[72] MYERS, FREDERICJ, US
[71] EMNET, LLC, US
[85] 2020-04-02
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[54] SYSTEME DE BANDAGE POUR LUMINOTHERAPIE
[72] TAPPER, JAY, US
[72] DING, LULIN, US
[72] ALTHOFF, CHARLESPETER, US
[72] NICKLEY, KAYLA MARIE, US
[72] JOHNSON, JENS PETER, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
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[54] PLANTE TRANSFORMEE POSSEDANT UNE COULEUR DE FLEUR BLEUE, ET SON PROCEDE DE CREATION
[72] NAKAMURA, NORIKO, JP
[72] OKITSU, NAOKO, JP
[72] TANAKA, YOSHIKAZU, JP
[71] SUNTORY HOLDINGS LIMITED, JP
[85] 2020-04-02
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[54] PROCEDE ET SYSTEME DE MESURE SANS FIL DE LA DETONATION D'EXPLOSIFS
[72] CAVANOUGH, GARY LINDSAY, AU
[72] TORRANCE, ALASTAIR COURTENAY, AU
[71] QMR (IP) PTY LTD, AU
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[54] MULTI-ZONE PERFORATE AND TREAT SYSTEM AND METHOD
[54] SYSTEME ET PROCEDE DE PERFORATION ET DE TRAITEMENT MULTI-ZONES
[72] FERGUSON, ANDREW M., US
[72] WATSON, BROCK W., US
[72] SCHULTZ, ROGER L., US
[71] THRU TUBING SOLUTIONS, INC., US
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[54] PROCEDES DE PROFILAGE POUR FABRIQUER UN BOITIER D'ETANCHEITE DE PALIER A ROULEAUX
[72] LINDER, MAXIMILIAN, US
[72] MYERS, JAMES, US
[71] INNO-SPIN LLC, US
[85] 2020-04-02
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[54] CAP-DEPENDENT ENDONUCLEASE INHIBITORS
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[72] LIN, CHU-CHUNG, TW
[72] CHEN, HUNG-CHUAN, TW
[72] CHIANG, CHIAYN, TW
[72] YEN, CHI-FENG, TW
[71] TAIGEN BIOTECHNOLOGY CO., LTD., TH
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[54] PROCEDE A HAUT DEBIT D'ISOLEMENT DE MITOCHONDRIES CONTENUES DANS DES GRAINES DE PLANTES
[72] YU, WENJIN, US
[72] FAN, CHUNYANG, US
[72] JI, YANSHAN, US
[71] SYNGENTA PARTICIPATIONS AG, CH
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[54] PROCEDE DE PRODUCTION DE COMPOSE PEPTIDIQUE
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[72] HANDA, MICHIHARU, JP
[72] YASUDA, NAOHIKO, JP
[72] YOSHINO, MADOKA, JP
[72] KOBAYASHI, YUTAKA, JP
[72] MASUYA, KEIICHI, JP
[71] NISSAN CHEMICAL CORPORATION, JP
[71] PEPTIDREAM INC., JP
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[72] MAGHE, MAXIME ROBERT, AU
[71] DEAKIN UNIVERSITY, AU
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[54] SYSTEME DE REVETEMENT DE SOL A FLEXIBILITE AMELIOREE
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[71] XYLO TECHNOLOGIES AG, CH
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[54] ATTRIBUTION DE MEMOIRE DANS UN SYSTEME ANALYTIQUE DE DONNEES
[72] HARDING, EDWARD P., JR., US
[72] RILEY, ADAM D., US
[72] KINGSLEY, CHRISTOPHER H., US
[71] ALTERYX, INC., US
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[72] TANAKA, KATSUKI, JP
[72] JOTOKU, KANA, JP
[71] NIPPON STEEL CORPORATION, JP
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[54] MOYEN DE TRANSPORT POUR SURMONTER DES OBSTACLES
[72] YOUNG, VICTOR, AU
[71] ORBILIFT PTY LTD, AU
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[25] EN
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[54] SYSTEME ET PROCEDE DE DETERMINATION DE POSE RELATIVE ENTRE UNE STRUCTURE D'ENROULEMENT PRIMAIRE ET UNE STRUCTURE D'ENROULEMENT SECONDAIRE D'UN SYSTEME DE TRANSFERT D'ENERGIE PAR INDUCTION
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[72] SOTIRIOU, SOTIRIOS, DE
[71] BOMBARDIER PRIMOVEGMBH, DE
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[54] CAPTEURS DE GLUCOSE REDONDANTS PSEUDO-ORTHOGONAUX, SYSTEMES ET PROCEDES
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[72] MILLER, MICHAEL E., US
[71] MEDTRONIC MINIMED, INC., US
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[72] JAMES, ALLAN MARTIN, AU
[71] WORKPLACE MAINTENANCE SOLUTIONS PTY LTD, AU
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[54] ACIER POUR TUBE SPIRALE A FAIBLE RAPPORT D'ELASTICITE ET ULTRA-HAUTE RESISTANCE ET PROCEDE DE PREPARATION ASSOCIE
[72] ZHANG, CHUANGUO, CN
[72] SUN, LEILEI, CN
[72] ZHENG, LEI, CN
[72] PANG, HOUJUN, CN
[72] LIU, JIAN, CN
[72] ZHANG, YONG, CN
[72] XU, GUODONG, CN
[71] BAOSHAN IRON & STEEL CO., LTD., CN
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[72] FADER, AARON EDWARD, CA
[72] TANG, YIN KWONG WILLIAM, CN
[71] COUGAR MOUNTAIN MARKETING CORPORATION, CA
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[25] EN
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[54] PROCEDE DE CRISTALLISATION DE (22E)-(24R)-2-METHYLENE-22-DEHYDRO-1.ALPHA.,24,25-TRIHYDROXY-19-NOR-VITAMINE D3
[72] DELUCA, HECTOR F., US
[72] GLAGETT-DAME, MARGARET, US
[72] PLUM, LORI, US
[72] FLORES, AGNIESZKA, US
[72] THODEN, JAMES, US
[72] HOLDEN, HAZEL, US
[71] WISCONSINALUMNI RESEARCH FOUNDATION, US
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[72] WIRBELAUER, SASCHA, DE
[71] RITTAL GMBH & CO. KG, DE
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[72] SOLOVYEV, KIRILL VLADIMIROVICH, RU
[72] ULITIN, ANDREI BORISOVICH, RU
[72] NEMANKIN, TIMOFEY ALEKSANDROVICH, RU
[72] SOLOVYEV, VALERY VLADIMIROVICH, RU
[72] MOROZOV, DMITRY VALENTINOVICH, RU
[71] JOINT STOCK COMPANY "BIOCAD", RU
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[54] GEOMETRIE DE FRACTURES HYDRAULIQUES PAR DETECTION ACOUSTIQUE REPARTIE ET BASSE FREQUENCE
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[72] ROY, BAISHALI, US
[71] CONOCOPHILLIPS COMPANY, US
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[54] RECIPIENT, MACHINE DE PREPARATION ET SYSTEME UTILISANT UN CODE BINAIRE POUR CODER DES INFORMATIONS DE PREPARATION
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[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] PROCEDE DE PREPARATION DE SOLUTIONS AQUEUSES D'UN PH DEFINI
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[71] FUJIFILM DIOSYNTH BIOTECHNOLOGIES UK LIMITED, GB
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[54] TRAITEMENT D'ETATS LIES A L'OBESITE
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[72] BERNARDES, GONCALO, PT
[71] INSTITUTO DE MEDICINA MOLECULAR JOAO LOBO ANTUNES, PT
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[54] DISPOSITIF DE SIMULATION DE FREINAGE POUR SIMULATEUR ET METHODE ASSOCIEE
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[72] LE GUILLOU, RENE, FR
[71] THALES, FR
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[72] JOT, JEAN-MARC, US
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[54] BATTERIE AIR METAL AYANT UN ENSEMBLE ANODE/CATHODE ROTATIF
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[71] ALUMAPOWER CORPORATION, CA
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[72] PLANZ, OLIVER, DE
[71] ATRIVA THERAPEUTICS GMBH, DE
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[54] PIECE DE TRANSITION SERVANT A RELIER UNE SECTION DE TOUR SUPERIEURE A UNE SECTION DE TOUR INFERIEURE AU MOYEN DE PROFILES DE LIAISON
[72] DRIESCHNER, MARTIN, DE
[72] PETRYNA, YURIY, DE
[72] KOPKE, BODO, DE
[72] STEINER, TILO, DE
[72] ROMER, STEVE, DE
[72] GRAWE, GUNNAR, DE
[71] NOTUS ENERGY PLAN GMBH & CO. KG, DE
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[72] PROBST, CHRISTOPHER, DE
[72] LIEBAU, STEFAN, DE
[72] ACHBERGER, KEVIN, DE
[72] HADERSPECK, JASMIN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[71] EBERHARD KARLS UNIVERSITAT TUBINGEN, DE
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[72] KOPKE, BODO, DE
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[72] NEWMAN, BEN, GB
[72] FIOLET, AGNES, FR
[72] BERTIN, EMMANUEL, FR
[72] MISURACA, JACOB, US
[71] IMERTECH SAS, FR
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[54] TRAITEMENT DU CANCER DE L'OVAIRE PAR ANTI-CD47 ET ANTI-PD-L1
[72] TAKIMOTO, CHRIS HIDEMI, US
[72] MIZUFUNE, CHAO, MARK PING, US
[72] VOLKMER, JENS-PETER, US
[71] FORTY SEVEN, INC., US
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[54] MOUSSES DE PROTEINE RETICULEE ET LEURS PROCEDES D'UTILISATION DANS UN ECHAFAUDAGE CELLULAIRE POLYVALENT
[72] ATTAR, ISHAY, IL
[72] ZHELI, SHAY YAACOV SHERBO, IL
[71] BIO-CHANGE LTD., IL
[71] ATTAR, ISHAY, IL
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[54] INHALATEUR, EN PARTICULIER INHALATEUR DE CANNABINOIDES, ET PROCEDE DE MONTAGE D'UN TEL INHALATEUR
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[72] YOUNG, PAUL, GB
[72] PARRIN, GUILLAUME, GB
[71] SENZER LIMITED, GB
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[71] MEDICENNA THERAPEUTICS, INC., CA
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[72] MCCARTHY, NICHOLAS AARON, US
[72] KAWAMOTO, DAREK, US
[72] KREINAR, EDWARD, US
[71] HAWKEYE 360, INC., US
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[72] KIYOSAWA, NAOKI, JP
[72] YAMADA, SHINNOSUKE, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
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[54] INHIBITION DU RECEPTEUR ANDROGENIQUE AU MOYEN D'EXTRAITS DE PLANTES MEDICINALES ET COMPOSITIONS ASSOCIEES
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[72] LAM, WING, US
[72] JIANG, ZAOLI, US
[71] YALE UNIVERSITY, US
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[54] PROTECTEUR DE JOINT D'ARBRE DESTINE A DES POMPES ELECTRIQUES SUBMERSIBLES
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[71] CORETEQ SYSTEMS LTD, GB
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[72] YIM, MARK, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[54] PROCEDE ET SYSTEME DE PREDICTION D'INEFFICACITE DE CVC AU MOYEN DE DONNEES DE COMPTEUR ELECTRIQUE DOMESTIQUE INTELLIGENT
[72] SAMUNI, ERAN, IL
[72] COHEN, ERAN, IL
[72] SHIMONI, NATHANIEL, IL
[72] RIMINI, NOA, IE
[71] GRID4C, IL
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[54] PROCEDE POUR LA PRODUCTION STEREOSELECTIVE D'UN DERIVE DE PYRIDONE POLYCYCLIQUE SUBSTITUE
[72] OKAMOTO, KAZUYA, JP
[72] UENO, TATSUHIKO, JP
[72] HATO, YOSHIO, JP
[72] HAKOGI, TOSHIKAZU, JP
[72] MAJIMA, SHOHEI, JP
[71] SHIONOGI & CO., LTD., JP
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[54] SYSTEME SUBAQUATIQUE ET PROCEDE POUR METTRE SOUS PRESSION UN RESERVOIR DE PETROLE SUBAQUATIQUE PAR INJECTION INDEPENDANTE D'EAU ET DE GAZ
[72] RODRIGUES, ROBERTO, BR
[72] ALBERTO BANDEIRA RIBEIRO CARDOSO, CARLOS, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
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[54] PLONGEURS DE PUITS DE FORAGE A SURFACES DE CONTACT DE TUBAGES NON-METALLIQUES, ET PUITS COMPRENANT LES PLONGEURS DE PUITS DE FORAGE
[72] FLOWERS, DANIEL R., AR
[72] BERMEA, ANTHONY J., US
[72] ROMER, MICHAEL C., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[54] PROCEDE DE FABRICATION D'UN JOINT SOUDE PAR POINTS, FEUILLE D'ACIER POUR SOUDAGE PAR POINTS, ET ELEMENT EN FEUILLE D'ACIER POUR SOUDAGE PAR POINTS
[72] MATSUI, SHO, JP
[72] SAITO, MASAHIRO, JP
[72] FURUSAKO, SEIJI, JP
[72] MIYAZAKI, YASUNOBU, JP
[71] NIPPON STEEL CORPORATION, JP
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[54] PROCEDE DE REMODELAGE DE FIBRES DE KERATINE
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[72] KOMURE, NATSUMI, JP
[71] L'OREAL, FR
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[54] PROCEDE ET SYSTEME PERMETTANT DE FORMER DES PLIS DANS UN PRODUIT TEXTILE DANS UNE CHAINE DE PRODUCTION
[72] STEINDORF, ERIC C., US
[72] SPENCER, ANTHONY S., US
[72] WEBER, JOSEPH P., US
[72] PAMPERIN, MARK T., US
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[54] DERIVES D'ACIDE GLUCONIQUE DESTINES A ETRE UTILISES DANS LE TRAITEMENT ET/OU LA PREVENTION D'INFECTIONS MICROBIENNES
[72] ELLERVIK, ULF, SE
[72] STERNER, OLOV, SE
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[72] RODRIGUEZ, EDWARD, US
[72] GRINSTAFF, MARK, US
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[54] MESURE D'ARTICLES DENTES SUR UNE PLATE-FORME DE TESTEUR DE MACHINE COMPOSITE UTILISANT UN CAPTEUR SANS CONTACT
[72] WAGAJ, PARAG PRAKASH, US
[72] BEERCK, DOUGLAS CHARLES, US
[72] SHEPHERD, ETHAN JAMES, US
[72] TANNER, MICHAEL R., US
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[54] PLATE-FORME D'ELEVATEUR A BATEAU DOTEE DE CONNECTEURS MOBILES POUR LE RACCORDEMENT A DES JETEES
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[71] BARDEX CORPORATION, US
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[54] PROCEDE DE CODAGE DE DONNEES TRIDIMENSIONNELLES, PROCEDE DE DECODAGE DE DONNEES TRIDIMENSIONNELLES, DISPOSITIF DE CODAGE DE DONNEES TRIDIMENSIONNELLES, ET DISPOSITIF DE DECODAGE DE DONNEES TRIDIMENSIONNELLES
[72] LASANG, PONGSAK, JP
[72] SUGIO, TOSHIYASU, JP
[72] KOYAMA, TATSUYA, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
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[54] DIRECTION DU FONCTIONNEMENT D'UN ACTIF A L'INTERIEUR D'UNE GEO-ZONE
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[54] SYSTEME DE COMMANDE DE VEHICULE
[72] DATEMA, BRYAN, US
[72] CLIFTON, CODY, US
[72] GONG, XIANG, US
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[54] ANTICORPS MONOCLONAUX D'ADN CIBLANT LE CTLA-4 POUR LE TRAITEMENT ET LA PREVENTION DU CANCER
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[72] WEINER, DAVID, US
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[72] BELOGUROV, ALEXEY ANATOLIEVICH, RU
[72] XIE, JIA, US
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[71] SHEMYAKIN-OVCHINNIKOV INSTITUTE OF BIOORGANIC CHEMISTRY, RU
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[54] METHODES ET COMPOSITIONS SE RAPPORTANT AU TRAITEMENT DE LA FIBROSE
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[72] LEE, CHANG-MIN, US
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[54] DISPOSITIF POUR CENTRER ET/OU TIRER UN OUTIL DANS UN PIPELINE
[72] SANTOS, HUGO FRANCISCO LISBOA, BR
[72] DOS REIS, NEY ROBINSON SALVI, BR
[72] URSINE KRETTLI, IGOR MENDES, BR
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[54] FORMULATIONS COMPRENANT DE LA GLUCOCEREBROSIDASE ET DE L'ISOFAGOMINE
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[54] PROCEDES ET COMPOSITIONS SE RAPPORTANT A DES REACTIFS D'ANTICORPS ANTI-CHI3L1
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[72] LEE, CHUN GEUN, US
[72] HE, CHUAN HUA, US
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[54] ANTICORPS MONOCLONAL POUR IL-5RA
[72] SOFRONOVA,EKATERINA VLADIMIROVNA, RU
[72] MISORIN, ALEKSEI KONSTANTINOVICH, RU
[72] DORONIN, ALEKSANDR NIKOLAEVICH, RU
[72] NEMANKIN, TIMOFEY ALEKSANDROVICH, RU
[72] SOZONOVA, ALEKSANDRA ALEKSANDROVNA, RU
[72] ZHIRIVSKAIA, GALINA STEPANOVNA, RU
[72] LEGOTSKY, SERGEY ALEKSANDROVICH, RU
[72] VLADIMIROVA, ANNA KONSTANTINOVNA, RU
[72] BELIASNIKOVA, ALINA VALEREVNA, RU
[72] SHCHEMELEVA, MARIIA ALEKSANDROVNA, RU
[72] IAKOVLEV, PAVEL ANDREEVICH, RU
[72] SOLOVYEV, VALERY VLADIMIROVICH, RU
[72] KRENDELEVA, ELENA ANDREEVNA, RU
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[72] MOROZOV, DMITRY VALENTINOVICH, RU
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[54] SYSTEME ET PROCEDE DE STOCKAGE AU FROID ET DE DISTRIBUTION CHAUDE OU FROIDE D'UNE BOISSON INFUSEE
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[71] RYAN BROTHERS COFFEE OF SAN DIEGO, INC., US
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[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
[71] AB INITIO TECHNOLOGY LLC, US
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[54] MANDRIN AMOVIBLE POUR AUTOMATISER UN PROCESSUS DE FABRICATION DE TUBES DE GAINAGE DE COMBUSTIBLE NUCLEAIRE COMPOSITES CERAMIQUES
[72] LAHODA, EDWARD J., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
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[54] PRODUIT EN ACIER IMPRIME EN 3D A DURETE ELEVEE
[72] BESTE, ULRIK, SE
[71] VBN COMPONENTS AB, SE
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[54] RECEPTEURS D'ANTIGENES CHIMERIQUES
[72] WALCHLI, SEBASTIEN, NO
[72] WALSENG, EVEN, NO
[72] INDERBERG, ELSE MARIT, NO
[72] KOKSAL, HAKAN, NO
[71] OSLO UNIVERSITETSSYKEHUS HF, NO
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[54] SYSTEMES DE DEPLOIEMENT PAR TRANSCATHETER ET PROCEDES ASSOCIES
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[72] ALGER, JASON T., US
[72] DIENNO, DUSTIN V., US
[72] HAARER, JOSHUA C., US
[72] HOOPINGARNER, EDWARD J., US
[72] NORRIS, PATRICK M., US
[72] BAYKOVA, OLGA, US
[72] JACOBY, RUSSELL L., US
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[54] ARTICLE ABRASIF ET SON PROCEDE DE FORMATION
[72] JAYARAM, ROBIN CHANDRAS, IN
[72] THANGAMANI, ARUNVEL, IN
[72] HARALUR, GURULINGAMURTHY M., IN
[71] SAINT-GOBAIN ABRASIVES, INC., US
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[54] DISPOSITIFS POUR REALISER UNE CHIRURGIE MINI-INVASIVE AYANT UN BOITIER DE SUPPORT EN MOUSSE
[72] KLEYMAN, GENNADY, US
[72] AUGELLI, MICHAEL J., US
[72] KANE, MICHAEL J., US
[71] CONMED CORPORATION, US
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[51] Int.Cl. G06F 9/50 (2006.01)
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[54] GESTION D'UNE GRAPPE INFORMATIQUE A L'AIDE D'INDICATEURS DE NIVEAU DE DURABILITE
[72] STANFILL, CRAIG W., US
[71] AB INITIO TECHNOLOGY LLC, US
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[51] Int.Cl. A61B 17/34 (2006.01), A61M 39/06 (2006.01)
[25] EN
[54] DEVICES FOR PERFORMING MINIMALLY INVASIVE SURGERY HAVING ROTATING MULTIPORT ACCESS
[54] DISPOSITIFS POUR REALISER UNE CHIRURGIE MINI-INVASIVE AYANT UN ACCES MULTI-ORIFICE ROTATIF
[72] AUGELLI, MICHAEL J., US
[72] KLEYMAN, GENNADY, US
[72] KANE, MICHAEL J., US
[72] PEDROS, ROBERT, US
[71] CONMED CORPORATION, US
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[54] GESTION D'UNE INTERFACE DE GRAPPE INFORMATIQUE
[72] DOUROS, BRYAN PHIL, US
[72] STANFILL, CRAIG W., US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2020-04-02
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[54] COUTEAU DE POCHE MULTIFONCTIONNEL
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[72] SALIN, ARNAUD, FR
[71] HELVETICA BRANDS SA, CH
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[54] APPAREIL DE GRIL CONFIGURE PAR MATRICE
[72] MINARD, JAMES J., US
[71] TAYLOR COMMERCIAL FOODSERVICE INC., US
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[54] INTERMITTENT CONNECTION-TYPE OPTICAL FIBER RIBBON, AND METHOD FOR MANUFACTURING INTERMITTENT CONNECTION-TYPE OPTICAL FIBER RIBBON
[54] RUBAN DE FIBRES OPTIQUES DU TYPE A CONNEXION INTERMITTENTE ET SON PROCEDE DE FABRICATION
[72] SEKINE, SHIZUKA, JP
[72] ISAJI, MIZUKI, JP
[72] TOMIKAWA, KOUJI, JP
[72] OSATO, KEN, JP
[71] FUJIKURA LTD., JP
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[54] MANAGING A COMPUTING CLUSTER BASED ON CONSISTENCY OF STATE UPDATES
[54] GESTION D'UN GROUPE INFORMATIQUE SUR LA BASE DE LA COHERENCE DE MISES A JOUR D'ETAT
[72] STANFILL, CRAIG W., US
[71] AB INITIO TECHNOLOGY LLC, US
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[25] EN
[54] MANAGING A COMPUTING CLUSTER USING REPLICATED TASK RESULTS
[54] GESTION D'UNE GRAPPE INFORMATIQUE A L'AIDE DE RESULTATS DE TACHES REPLIQUEES
[72] STANFILL, CRAIG W., US
[72] WHOLEY, JOSEPH SKEFFINGTON, III, US
[71] AB INITIO TECHNOLOGY LLC, US
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[54] STRUCTURES TRANSPORTABLES PERSONNALISABLES ET ELEMENTS POUR CELLES-CI
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[72] DENMAN, KYLE, US
[71] 500 GROUP, INC., US
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[86] 2018-09-27 (PCT/US2018/053006)
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[54] APPAREIL ET PROCEDE D'ATTENUATION DE MAUVAISES ODEURS SUR DES SURFACES
[72] VYAS, RAHUL, SG
[72] CHAUHAN, GARIMA, SG
[72] KHANOLKAR, MADHURI, SG
[72] SAINI, GAURAV, SG
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] POTEAU DE SUPPORT SOLLICITE PAR RESSORT REGLABLE EN HAUTEUR
[72] POPA,NICHOLAS, US
[72] EBBENGA, MARK, US
[72] HALLBERG, DANA, US
[71] QUALITY MARK, INC., US
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[25] EN
[54] GENERATION OF ONE OR MORE EDGES OF LUMINOSITY TO FORM THREE-DIMENSIONAL MODELS OF OBJECTS
[54] GENERATION D'UN OU PLUSIEURS BORDS DE LUMINOSITE POUR FORMER DES MODELES TRIDIMENSIONNELS D'OBJETS
[72] BERNSTEIN, AARON, US
[72] LEVINE, JEFFREY, US
[72] EDWARDS, PATRICK, US
[71] BERNSTEIN, AARON, US
[71] LEVINE, JEFFREY, US
[71] EDWARDS, PATRICK, US
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[72] LAWLER, KINTON, US
[71] ASSET INTEGRITY MANAGEMENT SOLUTIONS, L.L.C. D/B/A AIMS INTERNATIONAL, US
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[54] RUBAN DE CABLAGE DE DISTRIBUTION, SYSTEME ET DISPOSITIF D'APPLICATION DE RUBAN
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[72] DUPUIS, DAVID M., US
[72] KIPKE, CARY A., US
[72] LAMMERS, JOHN PATRICK, US
[72] LARSON, DONALD KENT, US
[72] THOMPSON, ZACHARY M., US
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[54] MECANISME D'ALIMENTATION UNIVERSEL POUR DISPOSITIF D'EMBALLAGE AUTOMATIQUE
[72] HOLMES, WILLIAM K., US
[71] RXSAFE LLC, US
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[54] SYSTEMES, DISPOSITIFS ET PROCEDES DE COLLECTE D'ECHANTILLON
[72] SESSIONS, TRAVIS, US
[72] O'NEILL, DAN H., US
[72] WAKLEY, JACOB, US
[72] BARRON, WILLIAM R., US
[72] PATTERSON, RYAN, US
[72] DEVORE, AARON, US
[72] SORENSEN, COLLIN, US
[72] DANIELS, GRANT, US
[71] ANCESTRY.COM DNA, LLC, US
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[25] EN
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[54] DISPOSITIFS POUR REALISER UNE INTERVENTION CHIRURGICALE MINIMALEMENT INVASIVE COMPRENANT UN BOITIER DE SUPPORT DE SOUFFLET
[72] KLEYMAN, GENNADY, US
[72] AUGELLI, MICHAEL J., US
[72] KANE, MICHAEL J., US
[72] SILVER, MIKIYA, US
[71] CONMED CORPORATION, US
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[51] Int.Cl. B22C 1/08 (2006.01), A61C 13/20 (2006.01) B22C 7/02 (2006.01) C04B 14/06 (2006.01) C04B 24/02 (2006.01) C04B 28/14 (2006.01)
[25] EN
[54] GYPSUM-BASED INVESTMENT MATERIAL COMPOSITION FOR CASTING, AND METHOD FOR MANUFACTURING GYPSUM-BASED INVESTMENT MATERIAL COMPOSITION FOR CASTING
[54] COMPOSITION DE MATERIAU DE REVETEMENT A BASE DE GYPSE POUR COULEE, ET PROCEDE DE FABRICATION DE CELLE-CI
[72] HORIUCHI, TATSUYA, JP
[72] SUGANO, KENICHI, JP
[71] YOSHINO GYPSUM CO., LTD., JP
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[72] FIGOLI, DAVID, US
[71] WELLAWARE HOLDINGS, INC., US
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[54] ANALYSE DE DONNEES DE TELESPECTATEURS POUR CREER DES PROGRAMMES DE CONTENU ELECTRONIQUE
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[71] AMC NETWORK ENTERTAINMENT LLC, US
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[72] RHINN, HERVE, US
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[54] METHODES DE TRAITEMENT DU GLIOBLASTOME OU DU GLIOBLASTOME RECURRENT FAISANT APPEL A UN SIGNAL SANS FIL SEUL OU EN ASSOCIATION AVEC UN OU PLUSIEURS MEDICAMENTS ANTICANCEREUX, ET SYSTEMES, APPAREILS ET DISPOSITIFS ASSOCIES
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[71] EMULATE THERAPEUTICS, INC., US
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[72] PEI, DEHUA, US
[71] OHIO STATE INNOVATION FOUNDATION, US
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[54] MICRO-ORGANISMES ET PROCEDES POUR LA FERMENTATION DE CANNABINOIDES
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[72] VARSZEGI, SZILVIA, HU
[72] NEMETH, ATTILA, HU
[72] SZABO, LORAND, HU
[72] KUMAR, ABHUNAV, US
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[72] DIAZ-AUNON, JOSE A., US
[72] KOZYNCHENKO, OLEKSANDR, US
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[54] DISPOSITIF DE SONDE ET PROCEDE D'INDUCTION D'UNE PRESSION NEGATIVE DANS LA VESSIE D'UN PATIENT
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[72] UPPERCO, JACOB L., US
[72] FISHER, MICHAEL ALLEN, US
[72] STRANE, PATRICK WILLIAM, US
[72] BLACK, LANCE MICHAEL, US
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[72] BENNETT, JEFFREY D., US
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[71] CMECH (GUANGZHOU) LTD., CN
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[30] US (15/796102) 2017-10-27

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[51] Int.Cl. B65D 1/42 (2006.01) A45F 3/20 (2006.01) A47G 19/03 (2006.01) A47G 19/23 (2006.01) B65D 21/02 (2006.01)
[25] EN
[54] CONTAINER HAVING ENHANCED WALL INTEGRITY AND ALIGNMENT ELEMENT
[54] CONTENANT AVEC PAROIS PRESENTANT UNE INTEGRITE ACCRUE ET ELEMENT D'ALIGNEMENT
[72] HODGE,DON, US
[72] TOMALIA, DON, US
[72] OSENTOSKI,JASON,US
[72] TROMBLEY, JOE, US
[72] MACIAG, DAN, US
[72] BRUSHABER, PETE,US
[72] LIMING, MIKE, US
[71] HUHTAMAKI, INC., US
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[30] US (13/162,307) 2011-06-16

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[51] Int.Cl. E05B 15/00 (2006.01) E05B 9/00 (2006.01) E05C 1/08 (2006.01)
[25] EN
[54] PUSH-PULL PASSAGE LOCK HOUSING
[54] LOGEMENT DE SERRURE DE PASSAGE POUSSER-TIRER
[72] QIU, JIA SEN, CN
[71] CMECH (GUANGZHOU) LTD., CN
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[25] EN
[54] PUSH-PULL PASSAGE LOCK
[54] SERRURE DE PASSAGE POUSSER-TIRER
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[71] CMECH (GUANGZHOU) LTD., CN
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[54] LOAD CONTROL DEVICE FOR HIGH-EFFICIENCY LOADS
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[72] MACADAM, RUSSELL L., US
[72] PARENT, JOSEPH T., US
[72] WEIGHTMAN, RUSSELL, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
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[25] EN
[54] USE OF GENOMIC TESTING AND KETOGENIC COMPOUNDS FOR TREATMENT OF REDUCED COGNITIVE FUNCTION
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[71] CERECIN INC., US
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[25] EN
[54] COVERT SURVEILLANCE USING MULTI-MODALITY SENSING
[54] SURVEILLANCE FURTIVE PAR DETECTION MULTIMODALE
[72] BENDAHAN, JOSEPH, US
[72] MORTON, EDWARD JAMES, GB
[71] RAPISCAN SYSTEMS, INC., US
[22] 2012-06-14
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[62] 2,863,363
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[13] A1
[51] Int.Cl. A61M 25/06 (2006.01) A61M 5/162 (2006.01) A61M 5/32 (2006.01)
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[54] TIP PROTECTOR FOR A SAFETY CATHETER
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[72] KOEHLER, THOMAST., US
[72] FELICITO, KATHRYN L., US
[72] CHHEDA, HARSH, US
[72] ABRILES, OSCAR R., US
[71] SMITHS MEDICAL ASD, INC., US
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[54] INJECTEUR DE GAZ INTRA-OCULAIRE
[72] AULD, JACK R., US
[72] HUCULAK, JOHN C.,US
[72] MCCOLLAM, CHRISTOPHER L., US
[71] ALCON INC., CH
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[54] INJECTEUR DE GAZ INTRA-OCULAIRE
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[72] HUCULAK, JOHN C.,US
[72] MCCOLLAM, CHRISTOPHER L., US
[71] ALCON INC., CH
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[72] MORTON, EDWARD JAMES, US
[71] RAPISCAN SYSTEMS, INC., US
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[54] ANTI-PD1 ANTIBODIES AND THEIR USE AS THERAPEUTICS AND DIAGNOSTICS
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[72] LI, KANG, CN
[72] ZHANG, TONG, CN
[72] XU, LANLAN, CN
[72] LIU, QI, CN
[72] PENG,HAO, CN
[71] BEIGENE SWITZERLAND GMBH, CH
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[71] MUST HOLDING LLC, US
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[54] INFORMATION STREAM MANAGEMENT
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[72] KERCHER,SHAWN ANDREW, US
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[25] EN
[54] INHIBITORS OF APOPTOSIS AND USES THEREOF
[54] INHIBITEURS DE L'APOPTOSE ET LEURS UTILISATIONS
[72] BARRERE, STEPHANIE, FR
[72] NARGEOT,JOEL, FR
[72] LEBLEU, BERNARD,FR
[72] BOISGUERIN,PRISCA, FR
[72] PIOT, CHRISTOPHE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS, FR
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[54] ENSEMBLE EBAUCHE POUR FORMER UN CONTENEUR A PLATEAUX RENFORCE ET EMPILABLE
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[72] MINSKY, CRAIG FREDERICK, US
[71] ROCK-TENN SHARED SERVICES, LLC, US
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[54] IDENTIFICATION OF POLYNUCLEOTIDES ASSOCIATED WITH A SAMPLE
[54] IDENTIFICATION DES POLYNUCLEOTIDES ASSOCIES A UN ECHANTILLON
[72] ROBINSON, WILLIAM H., US
[72] TAN, YANN CHONG, US
[72] SOKOLOVE, JEREMY, US
[71] DEPARTMENT OF VETERANS AFFAIRS, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] INFORMATION SYSTEM FOR INDUSTRIAL VEHICLES
[54] SYSTEME D'INFORMATION POUR VEHICULES INDUSTRIELS
[72] HARSHBARGER, AARON H., US
[72] TINNERMAN, DAVID K., US
[72] WELLMAN, TIMOTHY A., US
[72] WHITFORD, JEFFREY C., US
[72] WINNER, DEAN E., US
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[54] MELEZITOSE FOR STABILIZING HUMAN BLOOD PLASMA PROTEINS
[54] MELEZITOSE DESTINEE A STABILISER LES PROTEINES DE PLASMA DE SANG HUMAIN
[72] IVARSSON, ELSA, SE
[72] KNUTSSON, JOSEFIN, SE
[72] RIPPNER, BRITA, SE
[72] NILSSON, ULRIKA, SE
[72] AGERKVIST, IRENE, SE
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[54] POMPES A PERFUSION
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[72] CAUSEY, JAMES, US
[72] GIBSON, SCOTT R., US
[72] HE, TOM XIAOHAI, US
[72] FOGARTY, THOMAS G., US
[72] RING, LAWRENCE SCOTT, US
[72] LOFTIN, SCOTT M., US
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[25] EN
[54] BOOTSTRAPPING AND SYNTHESIS OF MECHANOSYNTHESIS TIPS
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[72] MERKLE, RALPH C., US
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[54] BROADCASTING SIGNAL TRANSMITTING APPARATUS, BROADCASTING SIGNAL RECEIVING APPARATUS, BROADCASTING SIGNAL TRANSMITTING METHOD, AND BROADCASTING SIGNAL RECEIVING METHOD
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[72] MOON, KYOUNGSOO, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[71] LG ELECTRONICS INC., KR
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[54] MIROIR DE MEUBLE-COIFFEUSE
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[72] WOLBERT, DAVID, US
[72] SANDOR, JOSEPH, US
[72] CARDENAS, ORLANDO, US
[72] BUSHROE, FREDERICK N., US
[71] SIMPLEHUMAN, LLC, US
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[54] CAPSULES, APPAREIL ET PROCEDES POUR PREPARER UNE BOISSON
[72] AUSTIN, PETER, GB
[72] FLETCHER,PAUL, GB
[72] KNOWLES, DAVID, GB
[72] HYDE, SAM, GB
[71] LAVAZZA PROFESSIONAL NORTH AMERICA, LLC, US
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MARTIN, CHRISTOPHER BASIL 3,030,000
MAYNE, KEITH 3,060,973
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MAZOUR, SCOTT T. 3,061,098
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MCNULTY, JILL BAGALSO 3,058,230
MCPHERSON, ROBERT F JR. 3,061,155
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MICHAUD, DENNIS 3,061,394
MIHAILESCU, GHEORGHE 3,055,650
MIHART, NICOLAE 3,023,299
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MOHAMMADIAN ABKENAR, SEYED MOJTABA 3,023,115
MOLEDINA, ZISHAAN 3,060,714
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MORRIS, BEN 3,056,995
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|---|---|
| VAREL INTERNATIONAL IND., L.L.C. | 3,055,835 |
| VENETIANER, PETER L. | 3,061,084 |
| VINCENT, JOHN B | 3,060,967 |
| VIRYL TECHNOLOGIES CORP. | 3,054,694 |
| VITTIMBERGA, PAUL | 3,058,230 |
| VOGL, DANIEL W. | 3,061,107 |
| VOHLIDAL, ONDREJ | 3,061,400 |
| W & H DENTALWERK BURMOOS GMBH | 3,061,039 |
| WALDL, ANDREAS | 3,061,118 |
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| WEISSENBERGER, MARKUS | 3,023,705 |
| WETZEL, CODY | 3,056,995 |
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| WIEKER, JEFFREY | 3,058,601 |
| WILSON, JONATHAN | 3,061,394 |
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| WINFIELD SOLUTIONS, LLC | 3,060,806 |
| WYBENGA, MICHAEL | 3,054,694 |
| XIA, ANDREW | 3,030,000 |
| XU, JASON SONGBO | 3,060,278 |
| YANG, CHANG FUNG | 3,060,278 |
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| ZAGRODNIK, MICHAEL ADAM | 3,054,884 |
| ZDARSKY, RADIM | 3,061,400 |
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