

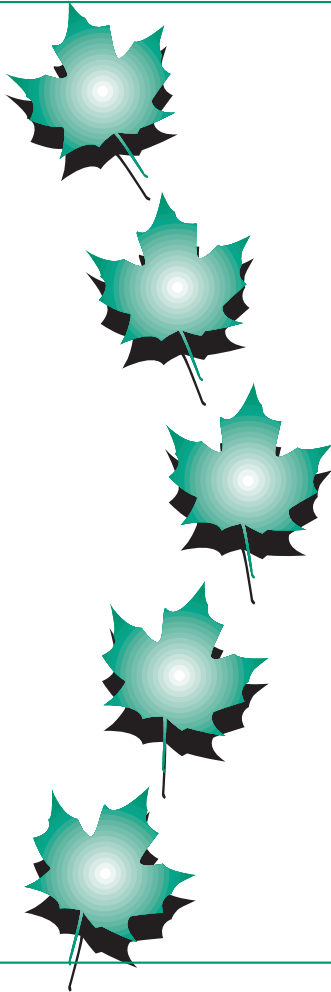


**Canadian  
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**The Patent  
Office  
Record**

**La Gazette  
du Bureau  
des brevets**

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**Canada**

CIPO  OPIC

# THE PATENT OFFICE RECORD



# LA GAZETTE DU BUREAU DES BREVETS

M. Dougan  
Acting Commissioner of Patents

**The Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Hull, Canada, to whom all communications other than those concerning subscriptions or requests for single copies should be addressed.**

**The Patent Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.**

M. Dougan  
Commissaire intérimaire aux brevets

**La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Hull, Canada, à qui doit être adressée toute correspondance autre que les abonnements ou les commandes d'exemplaires séparés.**

**Le Bureau des brevets ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.**

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## Notices

### 1. Dates and Code Numerals Appearing in Patent Headings

#### Dates

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

#### Code Numerals

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

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

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
  
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention
  
- [43] - Date of publication by printing or similar process of an unexamined document on which no grant has taken place on or before the said date
  
- [45] - Date of Issue
- [48] - Reissue Grant Date
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

## Avis

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

#### Dates

Toutes dates figurant aux en-têtes 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 en-têtes des brevets sont des codes INID. Le sigle "INID" signifie "Identification numérique internationale des données bibliographiques". Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

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

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
  
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la convention de Paris
  
- [43] - Date de publication, par impression ou par un procédé similaire, d'un document non examiné, n'ayant encore donné lieu à la délivrance d'aucun titre à la date en question ou avant
  
- [45] - Date de délivrance
- [48] - Date de redélivrance
- [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] - Noms(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

A complete list of country codes has been published in the issue of April 20, 1999 and will be published twice a year in the last issues of April and October.

## 3. Canadian Class Titles

A numerical index of the Canadian classification titles will be published in the first issue of January each year.

Anyone desirous of ascertaining what classes are directed to subject matter in which he/she has a particular interest may write to the Patent Office for such information. Related subject matter sometimes appears in different classes and could be missed by those not fully familiar with the classification system. It is also possible to obtain on request an alphabetical listing of subject matter titles for the various classes by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9.

## 4. Class Schedules and Definitions

A schedule (list of subclasses in a class) for any class listed on these pages may be purchased by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9. Definitions of the type of subject matter found in any class or subclass may be purchased for most of the classes. The cost of these individual schedules and definitions is 50¢ per page reproduced by the Patent Office.

Those wishing to purchase a complete set of schedules covering all classes, including the Subject Matter Index and separate listings of all class titles, may do so from Micromedia Limited at a cost of \$25 (98 frame microfiche), or \$200 (paper).

## 5. How to Purchase Paper or Microform-copies of Canadian Patents and Canadian Laid-Open Applications

### A) Paper Copies

Paper copies of Canadian Patents numbers 1 to 445,930 can be purchased at a cost of four dollars (\$4) per copy by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

## 2. Code des pays

Une liste complète des codes de pays a été publiée dans le numéro du 20 avril 1999 et sera republiée deux fois par année dans le dernier numéro des mois de avril et d'octobre.

## 3. Liste des classes canadiennes

Un index numérique des titres de la classification canadienne sera publié dans le premier numéro de janvier, à chaque année.

Toute personne désirant savoir dans quelles classes sont classifiés les sujets auxquels il/elle porte un intérêt particulier peut se renseigner en écrivant au Bureau des brevets. Des sujets connexes peuvent parfois figurer dans des classes différentes et une personne qui ne serait pas complètement familière avec le système de classification pourrait omettre les classes. On peut également obtenir une liste alphabétique des titres des objets classifiés dans les différentes classes en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9.

## 4. Listes et définitions des classes

Il est possible d'acheter les listes des sous-classes pour chacune des classes énumérées dans ces pages en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9. Des définitions selon les sujets se trouvant dans chaque classe ou sous-classe peuvent aussi être achetées pour la plupart des classes. Les prix de ces listes et définitions individuelles est de 0,50 \$ par page reproduite par le Bureau des brevets.

Les personnes qui désirent acheter une série complète des listes couvrant toutes les classes, y compris l'index des sujets et listes distinctes de tous les titres de classes, doivent s'adresser à Micromedia Limited. Le prix est de 25 \$ pour des microfiches à 98 cadres d'image ou de 200 \$ pour des copies sur papier.

## 5. Comment acheter des copies sur papier ou en microforme de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

### A) Copies sur papier

Les copies sur papier des brevets canadiens, numéros 1 à 445,930, sont disponibles au coût de quatre dollars (4 \$) par copie, en écrivant au Commissaire aux brevets, Ottawa-Hull, K1A 0C9.

## Notices

Paper copies of all Canadian Patents and Canadian Laid-Open Applications can be purchased at a cost of eight dollars (\$8) per copy plus estimated postage and taxes. Copies of these patents are available by writing or calling: Micromedia Limited, 240 Catherine Street, Suite 305, Ottawa, Ontario, Canada, K2P 2G8, Telephone (613) 237-4250, Facsimile (613) 237-4251.

Toll Free for North America: 1-800-567-1914

E-mail: tic@micromedia.on.ca

### B) Microform Copies

Copies of Canadian Patents from number 445,931 to date and Canadian Laid-Open Applications from number 2,000,001 to date can be purchased from Micromedia Limited at a cost of \$4 each (98 frame microfiche).

Beginning with Canadian Patent number 986,651, annual collections may be purchased from Micromedia Limited in the following categories:

- Abstracts of Canadian Patents issued weekly in numerical order (98 frame microfiche).
- Cover pages, claims and drawings of Canadian Patents issued weekly in numerical order (98 frame microfiche).
- Full text of Canadian Patents issued weekly in numerical order (16 mm microfilm).

### 6. Orders for Patents By Class or Sub-Class

Micromedia Limited will fill standing orders for all Canadian patents issuing in any class or subclass. Patents issuing after the date of the order will be supplied. Annual fee for this service is \$150 per class.

The charge of eight dollars (\$8) per paper copy or the charge of four dollars (\$4) per microfiche copy plus postage and taxes will apply for copies of all patents supplied.

Those wishing to use the service should open a deposit account with Micromedia Limited, 240 Catherine Street, Suite 305, Ottawa, Ontario, Canada, K2P 2G8, Telephone (613) 237-4250, Facsimile (613) 237-4251.

Les copies sur papier de tous les brevets canadiens et des demandes canadiennes mises à la disponibilité du public sont disponibles au coût de huit dollars (8 \$) par copie, plus l'affranchissement et les taxes. Il suffit d'écrire à Micromedia Limited, 240 rue Catherine, pièce 305, Ottawa (Ontario), Canada, K2P 2G8, ou de composer le numéro (613) 237-4250, Télécopieur (613) 237-4251.

Numéro sans frais Amérique du Nord: 1-800-567-1914

Courriel: tic@micromedia.on.ca

### B) Copies en microforme

Les copies des brevets canadiens à partir du numéro 445,931 et des demandes canadiennes mises à la disponibilité, du public à partir du numéro 2,000,001 sont disponibles chez Micromedia Limited au coût de 4 \$ chacune (microfiche à 98 cadres d'image).

On peut également se procurer auprès de Micromedia Limited, à partir du numéro de brevet 986,651, des séries annuelles dans les catégories suivantes:

- Précis de brevets canadiens délivrés chaque semaine par ordre numérique (microfiche à 98 cadres d'image).
- Pages couvertures, revendications et dessins de brevets canadiens délivrés chaque semaine par ordre numérique (microfiche à 98 cadres d'image).
- Exemplaires complets de brevets canadiens délivrés, chaque semaine, par ordre numérique (microfilm 16 mm).

### 6. Commandes de brevets par classe ou sous-classe

Micromedia Limited exécutera les commandes permanentes pour tous les brevets délivrés dans toute classe ou sous-classe. Les brevets délivrés après la date de la commande seront fournis. Le tarif annuel de ce service est de 150 \$ par classe.

La somme de huit dollars (8 \$) pour chaque copie reproduite sur papier ou la somme de quatre (4 \$) pour chaque copie reproduite sur microfiche, plus les frais de poste et les taxes sont exigibles pour chaque exemplaire de brevet fourni.

Les personnes intéressées à prendre avantage de ce service sont invitées à ouvrir un compte de dépôt avec Micromedia Limited, 240 rue Catherine, pièce 305, Ottawa (Ontario), Canada, K2P 2G8, ou de composer le numéro (613) 237-4250, Télécopieur (613) 237-4251.

## Avis

Toll Free for North America: 1-800-567-1914

Numéro sans frais Amérique du Nord: 1-800-567-1914

E-mail: tic@micromedia.on.ca

Courriel: tic@micromedia.on.ca

A listing of all patents that have issued in each class or subclass, including both patents in force and expired patents, may be ordered at a price of 50¢ per page from the Patent Office.

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expirés, peuvent être commandées auprès du Bureau des brevets au prix de 0,50 \$ la page.

### 7. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit on request from the Commissioner of Patents, Ottawa-Hull, 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 on request.

### 7. 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-Hull, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

### 8. 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-Hull, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

### 8. 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-Hull, 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.

#### 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.

#### 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.

### 9. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the 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 under in part 10 of these notices.

### 9. Brevets disponibles pour licence ou vente

Un astérisque (\*) marqué à côté de tout brevet inscrit dans le présent numéro de la Gazette du Bureau des brevets, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 10 des présents avis.

## Notices

### 10. List of Patents Available for Licence or Sale

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

2,067,327	2,093,840
2,110,472	2,129,200
2,134,017	2,166,343
2,191,896	2,213,681

### 11. Expired Patents

For patent applications filed before October 1, 1989, the life of a Canadian patent is 17 years. Consequently all Canadian patents up to and including No. 1,129,600 which issued on August 10, 1982 have now expired. The inventions covered by these and all earlier patents may now be used by the public in Canada provided other unexpired patents are not infringed.

### 12. Laid-Open Applications

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.

### 13. 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. 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.

2,067,327	2,093,840
2,110,472	2,129,200
2,134,017	2,166,343
2,191,896	2,213,681

### 11. Brevets expirés

Pour toutes les demandes de brevet déposées avant le 1er octobre 1989, la durée d'un brevet canadien est de 17 ans. Par conséquent, tous les brevets canadiens qui ont été délivrés le 10 août 1982 sont maintenant expirés, jusque et y compris le no. 1,129,600. Les inventions faisant l'objet de ces brevets et de tout brevet antérieur peuvent maintenant être utilisées par le public au Canada, pourvu qu'il n'y ait pas contre façon d'autres brevets non expirés.

### 12. Demandes mises à la disponibilité du public

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

### 13. Langue du document publié

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



## 14. PCT Notices

### PCT Signature Requirements

Please note that in conformity with the PCT requirements, the European Patent Office (EPO) requires that the signature identifies a physical person (whose name should be typewritten below the signature); where the person signs on behalf of a legal entity, the capacity should also be indicated (typewritten). (See PCT -Applicant's Guide, Vol. I; No. 93 and 230).

### Patent Cooperation Treaty (PCT)

Copies of the Patent Cooperation Treaty Applicants Guide and the Patent Cooperation Treaty & Regulations are available from WIPO at a cost of \$140.00 US or 200 Swiss Francs and \$15.00 US or 18 Swiss Francs, respectively. Those wishing for further information including prices for both previous and current subscriptions should contact WIPO -World Intellectual Property Organization 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 at [publications.mail@wipo.int](mailto:publications.mail@wipo.int) or visit their website at <http://www.wipo.int>.

### New Member State

On September 14, 1999, **Tanzania** (country code: **TZ**) will become the 103rd contracting State of the PCT at both the Chapter I and II levels.

## 14. Avis PCT

### Exigences des signatures du PCT

Veillez noter que conformément aux exigences du PCT, l'Office européen des brevets (OEB) réclame que la signature identifie une personne physique dont le nom dactylographié devrait apparaître au-dessous de la signature. Lorsque telle personne signe au nom d'une personne morale, il convient d'indiquer, également en caractères dactylographiques, la qualité du signataire. (Voir le Guide du déposant - PCT, Vol. I, no. 93 et 230).

### Traité de Coopération en matière de brevets (PCT)

Des copies du Guide du déposant - PCT ainsi que du Traité et des Règlements sont disponibles auprès de l'OMPI au coût de 140 \$ EU ou 200 francs suisses et 15 \$ EU ou 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à l'OMPI - Organisation mondiale de la propriété intellectuelle à la Section des produits d'information, Boîte postale 18, 1211 Genève 20, Suisse, Téléphone (011 41 22) 338-9618, Télécopieur (011 41 22) 740-1812 ou par courriel à [publications.mail@wipo.int](mailto:publications.mail@wipo.int) ou visiter leur site web à <http://www.wipo.int>.

### Nouveau État Membre

Le 14 septembre 1999, **Tanzanie** (code du pays: **TZ**) deviendra le 103ième pays membre des États contractants du PCT au niveau des Chapitres I et II.

## Notices

### 15. Patent Cooperation Treaty (PCT)

#### SCHEDULE OF FEES APPLICABLE AS OF JULY 15, 1999

FEES	AMOUNTS \$
1. <b>Transmittal Fee:</b> (Rule 14)	200.00
2*. <b>Basic Fee:</b> (Rule 15.2(a))	641.00
Amount for each additional sheet over 30	15.00
3. <b>Designation Fee:</b> (Rule 15.2(a))	148.00
The maximum that can be charged for the Designation Fee is \$1,480.00; therefore, if more than 10 countries are designated the fee remains \$1,480.00	

4. **International Search Fee** 1,874.00  
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 Officer). If the International Application does not contain a priority claim, the Designation Fee is due within one year from the International Filing Date. These fees are to be paid in Canadian dollars and made payable to the Receiver General of 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 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.

5. **Late Payment Fee** 50% of the fees that are due, or,  
Minimum: Transmittal Fee  
Maximum: Basic Fee

#### Preliminary Examination

6. **Handling Fee:** 289.46 Deutsche Marks  
(Rule 57.2(a)) 148 Euro Dollars

7. **Preliminary Examination Fee:** 2,998.29 Deutsche Marks  
(Rule 58) 1,533.00 Euro Dollars

The Preliminary Examination Fees are paid in Deutsche Marks and are payable directly to the European Patent Office in Munich.

\* International fees will be reduced by \$197.00 for all applications filed using PCT-Easy.

### 15. Traité de coopération en matière de brevets (PCT)

#### BARÈME DE TAXES À PARTIR DU 15 JUILLET 1999

TAXES	MONTANTS \$
1. <b>Taxe de transmission:</b> (Règle 14)	200,00
2*. <b>Taxe de base:</b> (Règle 15.2(a))	641,00
Montant pour chaque feuille au delà de 30	15,00
3. <b>Taxe de désignation</b> (par pays) (Règle 15.2(a))	148,00
Le maximum payable pour la taxe de désignation est de 1 480,00 \$; donc, si plus que 10 pays sont désignés, la taxe demeure 1 480,00 \$.	

4. **Taxe de recherche internationale** 1 874,00  
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 du dépôt de la demande (soit la date de réception de la demande internationale). Si la demande ne contient pas de revendication de priorité, la taxe de désignation est due dans un délai d'un an à compter de la date du dépôt de la demande internationale. Les taxes doivent être payées en dollars canadien et sont payables au Receveur Générale du Canada.

Si l'office récepteur constate que le déposant ne lui a payé aucune taxe, il invite le déposant à lui payer, dans un délai d'un mois à compter de la date de l'invitation, le montant nécessaire pour couvrir ces taxes, majoré, le cas échéant, de la taxe pour paiement tardif visée à la règle 16bis.2.

5. **Taxe pour paiement tardif** 50% du montant impayé, ou,  
Minimum: taxe de transmission  
Maximum: taxe de base

#### Examen préliminaire

6. **Taxe de traitement:** 289,46 marks allemands  
(Règle 57.2(a)) 148,00 dollars euro

7. **Taxe d'examen préliminaire:** 2 998,29 marks allemands  
(Règle 58) 1533,00 dollars euro

Les taxes d'examen préliminaire sont payables directement au Bureau Européen des brevets à Munich en marks allemands.

\*Les frais seront réduits par 197,00 \$ pour toutes les demandes déposées en utilisant PCT-Easy.

## Avis

### 16. ADVERTISEMENT OF APPLICATION UNDER SECTION 65 OF THE PATENT ACT

#### IN THE MATTER OF SECTION 65 OF THE PATENT ACT, AND IN THE MATTER OF PATENT NUMBER 1,275,349 dated October 16, 1990

Notice is hereby given that on the 28th day of April, 1999, there was filed by Brantford Chemicals Inc. with the Commissioner of Patents an application pursuant to the provisions of section 65 of the *Patent Act*, for a compulsory licence under the above-mentioned patent, owned by Merck & Co., Inc. on the ground that the rights of the patentee under the said patent have been abused in accordance with the allegations contained in the application and statutory declarations filed.

Any person who is not served with a copy of the application and who is desirous of opposing the said application shall within four months of the date of publication of this notice in the *Canada Gazette* or in the *Canadian Patent Office Record*, whichever is the later, file with the Commissioner a counter statement and a declaration verifying the same and serve upon the applicant a true copy of such counter statement and of each document filed in connection therewith at its address for service in Canada as follows:

Brantford Chemicals Inc.  
c/o Goodman Phillips & Vineberg  
250 Yonge Street, Suite 2400  
Toronto, Ontario, M5B 2M6

Attention: H.B. Radomski

Dated at Toronto this 6<sup>th</sup> day of July, 1999

### 17. Lay-Open Applications

The Patent Office Record of August 10, 1999 contains laid-open applications from June 27, 1999 - July 3, 1999.

### 16. ANNONCE PUBLICITAIRE DE LA DEMANDE EN VERTUE DE L'ARTICLE 65 DE LA LOI SUR LES BREVETS

#### RELATIVEMENT À L'ARTICLE 65 DE LA LOI SUR LES BREVETS, ET RELATIVEMENT AU BREVET NUMÉRO 1,275,349 DATE DU October 16, 1990

Avis est par les présentes donné que le 28th jour de Avril, 1999 a été déposée par Brantford Chemicals Inc. chez le commissaire aux brevets une demande conforme aux dispositions de l'article 65 de la *Loi sur les brevets* visant à obtenir une licence obligatoire en vertu du brevet susmentionné, la propriété de Merck & Co., Inc. pour la raison que les droits du breveté conférés par ledit brevet ont été l'objet d'abus conformément aux allégations contenues dans la demande et les déclarations statutaires déposées.

Toute personne à qui une copie de la demande n'a pas été signifiée et qui désire s'opposer à la demande doit, dans les quatre mois à compter de la date de publication de cet avis dans la *Gazette du Canada* ou dans la *Gazette du Bureau des brevets du Canada*, en prenant la date postérieure, déposer chez le commissaire le contre-mémoire et la déclaration qui le vérifie, et signifier au demandeur une copie conforme due contre-mémoire et de chaque document déposé s'y rapportant à son adresse de signification au Canada, comme il suit:

Brantford Chemicals Inc.  
c/o Goodman Phillips & Vineberg  
250 Yonge Street, Suite 2400  
Toronto, Ontario, M5B 2M6

Attention: H.B. Radomski

Daté à Toronto ce 6th jour de July, 1999

### 17. Demandes Canadiennes mises à la disponibilité du public

Ce numéro de la Gazette des brevets du Canada contient les demandes disponibles au public pour consultation pour la période du 27 juin 1999 - 3 juillet 1999.

# Canadian Patents Issued

August 10, 1999

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[54] **ANTIBACTERIAL AGENTS**  
[54] **AGENTS ANTIBACTERIENS**  
[72] Hutt, Marland P., US  
[72] Mich, Thomas F., US  
[72] Culbertson, Townley P., US  
[73] **WARNER-LAMBERT COMPANY, US**  
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[30] US (600,934) 1984-04-16  
[30] US (708,565) 1985-03-11

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[52] 195-1.20 195-1.30  
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[25] EN  
[54] **MAMMALIAN PEPTIDE**  
[54] **EXPRESSION IN PLANT CELLS**  
[54] **EXPRESSION DE PEPTIDES**  
[54] **MAMMELIENS DANS LES CELLULES**  
[54] **VEGETALES**  
[72] Goodman, Robert M., US  
[72] Knauf, Vic C., US  
[72] Houck, Catherine M., US  
[72] Comai, Luca, US  
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[54] **CEPHALOSPORINS**  
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[54] **VINYLCEPHALOSPORINES**  
[72] Hoshi, Hideaki, JP  
[72] Okumura, Jun, JP  
[72] Naito, Takayuki, JP  
[72] Abe, Yoshio, JP  
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[73] **BRISTOL-MYERS SQUIBB**  
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[52] 195-128.1 167-103.1  
[51] **Int.Cl. 6C07K 14/57 6C07K 16/24 6C12P 21/00 6A61K 38/21**  
[25] EN  
[54] **PREPARATION AND USES OF**  
[54] **INTERFERON-GAMMA**  
[54] **PREPARATION ET UTILISATIONS**  
[54] **DE L'INTERFERON GAMMA**  
[72] Kurimoto, Masashi, JP  
[72] Mitsunashi, Masakazu, JP  
[73] **KABUSHIKI KAISHA**  
[73] **HAYASHIBARA SEIBUTSU KAGAKU**  
[73] **KENKYUJO, JP**  
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[25] EN  
[54] **PREPARATION PROCESS OF**  
[54] **ORGANOSILICON COMPOUNDS AND**  
[54] **PRODUCTION PROCESS OF SILICON**  
[54] **CARBIDE**  
[54] **METHODE POUR PREPARER DES**  
[54] **COMPOSES ORGANOSILICIQUES ET**  
[54] **METHODE DE PRODUCTION DE**  
[54] **CARBURE DE SILICIUM**  
[72] Itoh, Masayoshi, JP  
[72] Takeuchi, Ryo, JP  
[72] Iwata, Kenji, JP  
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[73] **Mitsui Chemicals, Inc., JP**  
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[25] EN  
[54] **OXIDATION RESISTANT IRON**  
[54] **BASE ALLOY COMPOSITIONS**  
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[73] **CHRYSLER MOTORS**  
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[52] 75-14  
[51] **Int.Cl. 6C22C 33/04**  
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[54] **METHOD OF PREPARING  
OXIDATION RESISTANT IRON BASE  
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[54] **METHODE POUR PREPARER DES  
COMPOSITIONS D'ALLIAGES A BASE  
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[73] CHRYSLER MOTORS  
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[21] **563,293**  
[22] 1988-04-05

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[52] 195-1.22 157-103.9 530-13.00  
[51] **Int.Cl. 6C12N 15/12 6C07K 14/73  
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[72] Maddon, Paul J., US  
[72] Axel, Richard, US  
[72] Sweet, Raymond W., US  
[72] Arthos, James, US  
[73] TRUSTEES OF COLUMBIA  
UNIVERSITY IN THE CITY OF NEW  
YORK (THE), US  
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6C07K 14/72 6A61K 38/30 6G01N 33/566**  
[25] EN  
[54] **PRODUCTION OF INSULIN-LIKE  
GROWTH FACTOR BINDING  
PROTEIN**  
[54] **FABRICATION DE PROTEINE  
POSSEDANT UNE FORTE AFFINITE  
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[72] Baxter, Robert C., AU  
[72] Wood, William I., US  
[73] ROYAL PRINCE ALFRED  
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[73] GENENTECH, INC., US  
[21] **594,536**  
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[51] **Int.Cl. 6C07K 14/57 6C12P 21/02  
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[25] EN  
[54] **HUMAN INTERFERON-GAMMA,  
PROCESS TO PREPARE SAID HUMAN  
INTERFERON-GAMMA, AND ITS USE**  
[54] **INTERFERON GAMMA HUMAIN;  
METHODE DE PREPARATION ET  
UTILISATION DUDIT INTERFERON  
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[72] Kurimoto, Masashi, JP  
[72] Mitsuhashi, Masakazu, JP  
[73] KABUSHIKI KAISHA  
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[52] 31-80  
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[54] **ICE MELTER AND METHOD OF  
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[54] **PRODUITS DE DEGLACAGE ET  
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[72] Connor, Margaret B., US  
[72] Tratnyek, Joseph P., US  
[73] Vigoro Industries, Inc., US  
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[54] **FERMETURE A DEUX BATTANTS  
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[72] DiSalvo, Anthony J., US  
[72] Bauer, David J., US  
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[72] Buazza, Omar M., US  
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[25] EN  
[54] **INJURY-STIMULATED DNA-SEQUENCE FROM SOLANUM TUBEROSUM AND ITS USE**  
[54] **SEQUENCE D'ADN STIMULEE PAR LESION DE SOLANUM TUBEROSUM ET UTILISATION**  
[72] Logemann, Jürgen, DE  
[72] Willmitzer, Lothar, DE  
[72] Schell, Josef, DE  
[73] Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V., DE  
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[72] Haruna, Shuji, JP  
[73] Sony Corporation, JP  
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[51] **Int.Cl. 6G06F 3/12**  
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[54] **EPM HAVING AN IMPROVEMENT IN NON-VOLATILE STORAGE OF ACCOUNTING DATA**  
[54] **MACHINE A AFFRANCHIR ELECTRONIQUE A MEMOIRE DE DONNEES COMPTABLES AMELIOREE**  
[72] Brown, Nanette, US  
[73] PITNEY BOWES INC., US  
[22] 1989-11-20  
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[54] **DISPOSITIF D'ENTRAINEMENT DE PIECES POUR MACHINE A OUTIL COUPANT**  
[72] Aoyagi, Minoru, JP  
[72] Hasegawa, Takayoshi, JP  
[73] Amada Company, Limited, JP  
[22] 1989-11-21  
[30] JP (63-293576) 1988-11-22  
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[13] C

[51] **Int.Cl. 6C07C 67/26 6C07C 69/54**  
[25] EN  
[54] **PROCESS FOR PREPARING HYDROXYALKYL ESTERS**  
[54] **PROCEDE DE PREPARATION D'ESTERS D'HYDROXYALKYLES**  
[72] McDade, Christine, US  
[73] Rohm and Haas Company, US  
[22] 1989-12-05  
[30] US (295,692) 1989-01-11

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[51] **Int.Cl. 6C07H 19/10 6C07H 19/20 6A61K 31/675**  
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[54] **PHOSPHOLIPIDE NUCLEOSIDES**  
[72] Bonjouklian, Rosanne, US  
[72] Grindey, Gerald Burr, US  
[72] Hertel, Larry Wayne, US  
[73] Eli Lilly and Company, US  
[22] 1989-12-06  
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[51] **Int.Cl. 6B66B 1/18**  
[25] EN  
[54] **GROUP CONTROL FOR LIFTS WITH IMMEDIATE ALLOCATION OF TARGET CALLS**  
[54] **CONTROLE DE GROUPE POUR LES DECROCHAGES AVEC AFFECTATION IMMEDIATE DES APPELS CIBLES**  
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[73] INVENTIO AG, CH  
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[30] CH (00 169/89-9) 1989-01-19

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[13] C

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[72] Szymczak, Edward J., US  
[72] Chin, Arthur H. T., US  
[73] COOPER CAMERON CORPORATION, US  
[22] 1989-12-15  
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[54] **METHODE POUR TRANSFERER UNE FEUILLE EN MATERIAU FIBREUX, DE LA TOILE A LA PRESSE**  
[72] Stenvall, Jouko, FI  
[73] Valmet Corporation, FI  
[22] 1989-12-21  
[30] FI (885978) 1988-12-23

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[13] C

[51] Int.Cl. 6C07D 401/12 6C07D 401/14  
6A61K 31/44  
[25] EN  
[54] N-PYRIDINYL-9H-CARBOZOL-9-AMINES, A PROCESS FOR THEIR PREPARATION AND THEIR USE AS MEDICAMENTS  
[54] N-PYRIDINYL-9H-CARBOZOL-9-AMINES, PROCEDE DE PREPARATION ET UTILISATION COMME MEDICAMENTS  
[72] Effland, Richard Charles, US  
[72] Olsen, Gordon Edward, US  
[72] Klein, Joseph Thomas, US  
[72] Davis, Larry, US  
[73] Hoechst Marion Roussel, Inc., US  
[22] 1989-12-22  
[30] US (289,887) 1988-12-27

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[51] Int.Cl. 6A61B 17/32  
[25] EN  
[54] SPHINCTEROTOMY METHOD AND DEVICE HAVING CONTROLLED BENDING AND ORIENTATION  
[54] METHODE DE SPHINCTEROTOMIE ET DISPOSITIF DONT ON PEUT REGLER L'ANGLE ET L'ORIENTATION  
[72] Karpziel, John, US  
[73] WILSON-COOK MEDICAL, INC., US  
[22] 1990-01-12  
[30] US (318,724) 1989-03-03

[11] 2,007,867  
[13] C

[51] Int.Cl. 6E01F 15/00  
[25] EN  
[54] ADVANCED DYNAMIC IMPACT EXTENSION MODULE  
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[72] Ivey, Don L., US  
[73] Texas A&M University System (The), US  
[22] 1990-01-16  
[30] US (316,073) 1989-02-27

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[51] Int.Cl. 6B64C 11/18  
[25] EN  
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[54] LAME A PROFIL VARIABLE  
[72] Wainauski, Harry S., US  
[72] Vaczy, Carol M., US  
[73] United Technologies Corporation, US  
[22] 1990-01-17  
[30] US (304,676) 1989-02-01

[11] 2,007,986  
[13] C

[51] Int.Cl. 6D21C 9/10 6D21C 9/147  
[25] EN  
[54] APPARATUS AND PROCESS FOR THE DELIGNIFICATION OF CELLULOSE PULP  
[54] APPAREIL ET PROCEDE POUR LA DELIGNIFICATION DE LA PATE CELLULOSIQUE  
[72] Kido, Junichiro, JP  
[72] Yamanaka, Hajime, JP  
[72] Hirasawa, Masaru, JP  
[72] Tsuchiya, Keiichi, JP  
[73] OJI PAPER CO., LTD., JP  
[22] 1990-01-17  
[30] JP (1-137403) 1989-06-01

[11] 2,008,413  
[13] C

[51] Int.Cl. 6B01J 23/78 6C01B 21/20 6C01B 21/26  
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[72] Cresswell, David, GB  
[72] Sammes, Nigel Mark, GB  
[73] Imperial Chemical Industries PLC, GB  
[22] 1990-01-23  
[30] GB (8901406.2) 1989-01-23

[11] 2,010,910  
[13] C

[51] Int.Cl. 6F16G 15/12 6B21L 11/00  
[25] EN  
[54] PITCH EQUALIZED CHAIN WITH FREQUENCY MODULATED ENGAGEMENT  
[54] CHAINE A PAS EGALISE A MISE EN PRISE MODULEE EN FREQUENCE  
[72] Avramidis, Stelios Anthony, US  
[73] Borg-Warner Automotive Transmission & Engine Components Corporation, US  
[22] 1990-02-26  
[30] US (07/316,776) 1989-02-28

[11] 2,010,981  
[13] C

[51] Int.Cl. 6A61K 31/00 6A61K 47/06 6A61K 31/07 6A23K 1/16 6A23L 1/302 6A61K 31/59  
[25] EN  
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[54] COMPOSES DE VITAMINES LIPOSOLUBLES STABILISES  
[72] Matsuda, Yoshihisa, JP  
[72] Abe, Hisato, JP  
[72] Teraoka, Reiko, JP  
[72] Tanaka, Yukio, JP  
[73] NISSHIN FLOUR MILLING CO., LTD., JP  
[22] 1990-02-27  
[30] JP (45358/1989) 1989-02-28  
[30] JP (29778/1990) 1990-02-13

[11] 2,011,144  
[13] C

[51] Int.Cl. 6C07D 401/02 6C07D 413/04 6C07D 401/14 6C07D 405/14 6A61K 31/395  
[25] EN  
[54] NICOTINIC ACID DERIVATIVES AND PHARMACEUTICAL COMPOSITIONS COMPRISING SAME  
[54] DERIVES DE L'ACIDE NICOTINIQUE ET COMPOSES PHARMACEUTIQUES LES CONTENANT  
[72] Miura, Katsutoshi, JP  
[72] Sakurai, Einosuke, JP  
[72] Yamada, Hiroaki, JP  
[72] Koyama, Hiroyasu, JP  
[72] Sugai, Toshiji, JP  
[73] NISSHIN FLOUR MILLING CO., LTD., JP  
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[30] JP (46647/1989) 1989-03-01

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[13] C

[51] **Int.Cl. 6C07D 251/16 6A01N 47/36**  
[25] EN  
[54] **HERBICIDAL 1,3,5-TRIAZIN-2-YLAMINOCARBONYLAMINO-SULFONYLBENZOIC ESTERS, THE PREPARATION AND USE THEREOF**  
[54] **ESTERS HERBICIDES DE L'ACIDE 1,3,5-TRIAZIN-2-YLAMINOCARBONYLA-MINOSULFONYLBENZOIQUES, LEUR PREPARATION ET LEUR UTILISATION**  
[72] Hamprecht, Gerhard, DE  
[72] Mayer, Horst, DE  
[72] Wuerzer, Bruno, DE  
[72] Westphalen, Karl-Otto, DE  
[73] BASF AKTIENGESELLSCHAFT, DE  
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[30] DE (P 39 09 146.5) 1989-03-21

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[13] C

[51] **Int.Cl. 6F16K 11/06**  
[25] EN  
[54] **A SINGLE HANDLE MIXER VALVE WITH HARD MATERIAL PLATES, HAVING A MOVABLE PLATE SWINGING AROUND THE DELIVERY CONNECTION**  
[54] **ROBINET MELANGEUR A POIGNEE UNIQUE AVEC PLAQUE EN MATERIAU DUR ET POSSEDANT UNE PLAQUE MOBILE PIVOTANT AUTOUR DU BRANCHEMENT DE DISTRIBUTION**  
[72] Ferrari, Leopoldo, IT  
[73] Studio Tecnico Sviluppo E Ricerche S.T.S.R. s.r.l., IT  
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[30] IT (67.226-A/89) 1989-03-31

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[11] **2,016,701**  
[13] C

[51] **Int.Cl. 6C01B 3/38 6C10G 29/16**  
[25] EN  
[54] **A PROCESS FOR STEAM REFORMING OF HYDROCARBONS**  
[54] **UN PROCEDE DE VAPOREFORMAGE DES HYDROCARBURES**  
[72] Okada, Osamu, JP  
[72] Masuda, Masataka, JP  
[72] Tabata, Takeshi, JP  
[73] OSAKA GAS COMPANY LIMITED, JP  
[22] 1990-05-14  
[30] JP (122077/1989) 1989-05-15

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[11] **2,017,054**  
[13] C

[51] **Int.Cl. 6E04H 6/12**  
[25] EN  
[54] **AUTOMATIC STORAGE AND RETRIEVAL SYSTEM**  
[54] **SYSTEME AUTOMATIQUE DE STOCKAGE-DESTOCKAGE**  
[72] Wilson, Jack S., CA  
[73] Gunn Industries Ltd., CA  
[22] 1990-05-16

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[11] **2,017,306**  
[13] C

[51] **Int.Cl. 6B41F 7/02 6B41F 5/12 6B41F 5/16 6B41F 3/44**  
[25] EN  
[54] **COLOR PRINTING APPARATUS AND PROCESS FOR BOTH SIDES OF A PRINTING PAPER**  
[54] **IMPRIMANTE EN COULEUR ET PROCEDE D'IMPRESSION RECTO-VERSO**  
[72] Kawahara, Komei, JP  
[72] Okamura, Yuichi, JP  
[73] Kabushikigaisha Tokyo Kikai Seisakusho, JP  
[22] 1990-05-22  
[30] JP (1-137071) 1989-05-30

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[11] **2,017,626**  
[13] C

[51] **Int.Cl. 6F23G 7/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR BURNING COMBUSTIBLE SOLID RESIDUE FROM CHEMICAL PLANT**  
[54] **BRULAGE DES RESIDUS SOLIDES COMBUSTIBLES D'USINE CHIMIQUE ET DISPOSITIF CONNEXE**  
[72] Koyama, Masao, JP  
[72] Inada, Masahiro, JP  
[72] Masaoka, Toshiaki, JP  
[72] Abiko, Tohoru, JP  
[72] Takahashi, Kenji, JP  
[72] Nakase, Noriaki, JP  
[73] Mitsui Engineering & Shipbuilding Co., Ltd., JP  
[73] MITSUI CHEMICALS, INC., JP  
[22] 1990-05-28  
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[11] **2,018,129**  
[13] C

[51] **Int.Cl. 6C25D 3/44**  
[25] EN  
[54] **ORGANOALUMINUM ELECTROLYTES AND PROCESS FOR THE ELECTROLYTIC DEPOSITION OF ALUMINUM**  
[54] **ELECTROLYTES DE COMPOSE ORGANIQUE D'ALUMINIUM ET METHODE D'ELECTRODEPOSITION DE L'ALUMINIUM**  
[72] Mehler, Klaus-Dieter, DE  
[72] Lehmkuhl, Herbert, DE  
[73] Studiengesellschaft Kohle m.b.H., DE  
[22] 1990-06-01  
[30] DE (39 19 069.2) 1989-06-10

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[11] **2,029,303**  
[13] C

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[54] **EMBALLAGE**  
[72] Ueda, Takahisa, JP  
[73] NIPPON PILLAR PACKING CO., LTD., JP  
[22] 1990-11-05  
[30] JP (PCT/JP90/00157) 1990-02-08

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[11] **2,030,500**  
[13] C

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[54] **REGALEUSE A BALLAST MOBILE**  
[72] Mohr, Pierre, FR  
[73] FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., AT  
[22] 1990-11-21  
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[51] **Int.Cl. 6H03G 9/18 6H03G 9/16 6H03F 1/26**  
[25] EN  
[54] **AUDIO COMPRESSOR, EXPANDER, AND NOISE REDUCTION CIRCUITS FOR CONSUMER AND SEMI-PROFESSIONAL USE**  
[54] **CIRCUITS DE COMPRESSION ET D'EXPANSION AUDIO ET DE REDUCTION DU BRUIT POUR USAGES GRAND PUBLIC ET SEMI-PROFESSIONNEL**  
[72] Dolby, Ray Milton, US  
[72] Cossette, Stanley Gene, US  
[73] Dolby Laboratories Licensing Corporation, US  
[73] Dolby, Ray Milton, US  
[85] 1990-12-11  
[86] 1990-04-03 (PCT/US90/01804)  
[87] (WO90/12453)  
[30] US (333,431) 1989-04-03  
[30] US (428,363) 1989-10-27

[11] **2,035,298**  
[13] C  
[51] **Int.Cl. 6C08L 9/02 6C08K 5/14**  
[25] EN  
[54] **PLASTICIZED HYDROGENATED NITRILE RUBBER**  
[54] **CAOUTCHOUC NITRILE HYDROGENE ET PLASTIFIE**  
[72] Wiseman, William Albert, CA  
[73] BAYER INC., CA  
[22] 1991-01-30  
[30] US (473,437) 1990-02-01

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[51] **Int.Cl. 6F16L 23/12**  
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[54] **PIPE JOINT**  
[54] **JOINT DE TUYAU**  
[72] Greig, John Martyn, GB  
[73] BG PLC, GB  
[85] 1991-04-15  
[86] 1990-08-20 (PCT/GB90/01308)  
[87] (WO91/02918)  
[30] US (89 19068.0) 1989-08-22

[11] **2,043,045**  
[13] C  
[51] **Int.Cl. 6G01N 33/554 6G01N 15/14 6G01N 33/49**  
[25] EN  
[54] **PRESERVATION OF CELLS AS CONTROLS OR STANDARDS IN CELLULAR ANALYSIS**  
[54] **PROCEDE DE CONSERVATION DE CELLULES DEVANT SERVIR DE TEMOINS DANS LES ANALYSES CELLULAIRES**  
[72] Davis, Kenneth A., US  
[72] Ward, Anthony J., US  
[73] Becton, Dickinson and Company, US  
[22] 1991-05-22  
[30] US (556,934) 1990-07-23

[11] **2,043,299**  
[13] C  
[51] **Int.Cl. 6C09K 3/00 6C09J 11/08 6C09K 3/10 6C09D 7/12 6C08K 5/20**  
[25] EN  
[54] **POLYAMIDE COMPOSITIONS**  
[54] **COMPOSITIONS A BASE DE POLYAMIDE**  
[72] Hartman, Terrence L., US  
[72] Cody, Charles A., US  
[73] Rheox International Inc., US  
[22] 1991-05-27  
[30] US (553,581) 1990-07-18

[11] **2,043,705**  
[13] C  
[51] **Int.Cl. 6G06F 13/42**  
[25] EN  
[54] **MULTIPLE ACCESS PROTOCOL**  
[54] **PROTOCOLE D'ACCES MULTIPLE**  
[72] Lo, Wing Fai, US  
[73] NORTHERN TELECOM LIMITED, CA  
[22] 1991-05-31  
[30] US (539,832) 1990-06-18

[11] **2,043,978**  
[13] C  
[51] **Int.Cl. 6G02B 27/10 6G02F 2/00 6G02F 1/21 6G02B 27/28 6G02B 5/30**  
[25] EN  
[54] **POLARIZATION DIFFRACTION ELEMENT AND POLARIZATION DETECTOR EMPLOYING THE SAME**  
[54] **ELEMENT DIFFRACTIONNEL A POLARISATION ET DETECTEUR A POLARISATION EMPLOYANT CET ELEMENT**  
[72] Yoshida, Yoshio, JP  
[72] Miyake, Takahiro, JP  
[72] Nakata, Yasuo, JP  
[72] Kurata, Yukio, JP  
[73] SHARP KABUSHIKI KAISHA, JP  
[22] 1991-06-06  
[30] JP (2-158076) 1990-06-13  
[30] JP (2-226320) 1990-08-27

[11] **2,044,002**  
[13] C  
[51] **Int.Cl. 6G04C 10/00**  
[25] EN  
[54] **HOUSING FOR AN ENERGY CELL IN A WRISTWATCH**  
[54] **LOGEMENT DE PILE D'UNE MONTRE-BRACELET**  
[72] Paratte, Daniel, CH  
[72] Aeschbacher, Jean-Pascal, CH  
[73] Eta SA Fabriques d'Ébauches, CH  
[22] 1991-06-06  
[30] CH (01 910/90-7) 1990-06-07

[11] **2,047,755**  
[13] C  
[51] **Int.Cl. 6A01N 57/28 6B29B 9/12 6A01N 25/12**  
[25] EN  
[54] **PELLETIZING PHOSPHOROAMIDOTHIOATE DERIVATIVES WITH FERTILIZERS AND OTHER PESTICIDES**  
[54] **BOULETAGE DE DERIVES DE PHOSPHOROAMIDOTHIOATE AVEC DES ENGRAIS ET DES PESTICIDES**  
[72] Chan, Jim H., US  
[72] Hass, Kent A., US  
[72] Satre, Rodrick I., US  
[72] Trusler, James H., US  
[73] CHEVRON U.S.A. INC., US  
[85] 1991-08-29  
[86] 1991-01-29 (PCT/US91/00586)  
[87] (WO91/11104)  
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[11] **2,047,757**  
[13] C

[51] **Int.Cl. 6G02B 6/42 6B65H 55/04 6G02B 6/44**  
[25] EN  
[54] **FIBRE STORAGE**  
[54] **DISPOSITIF POUR LE STOCKAGE DE FIBRES**  
[72] Jenkins, Peter David, GB  
[73] British Telecommunications public limited company, GB  
[85] 1991-08-28  
[86] 1990-03-23 (PCT/GB90/00444)  
[87] (WO90/11544)  
[30] GB (8906765.6) 1989-03-23

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[11] **2,049,449**  
[13] C

[51] **Int.Cl. 6C12N 15/12 6C07H 21/04 6C12Q 1/68**  
[25] EN  
[54] **HLA-DR ANTIGEN GENE AND ITS NUCLEOTIDE SEQUENCE AND ITS USE**  
[54] **ANTIGENE HLA-DR, SA SEQUENCE NUCLEOTIQUE ET SON EMPLOI**  
[72] Obata, Fumiya, JP  
[72] Kashiwagi, Noboru, JP  
[73] THE KITASATO INSTITUTE, JP  
[73] MITSUI CHEMICALS, INC., JP  
[22] 1991-08-19  
[30] JP (217209/1990) 1990-08-20

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[11] **2,056,887**  
[13] C

[51] **Int.Cl. 6B41F 27/12 6B41F 27/06**  
[25] EN  
[54] **QUICK-ACTION CLAMPING DEVICE I**  
[54] **DISPOSITIF I A ENCLenchement INSTANTANE**  
[72] Vogt, Wilfried, DE  
[72] Stadler, Peter, DE  
[72] Zander, Claus-Peter, DE  
[72] Schmitt, Gernot, DE  
[72] Becker, Willi, DE  
[72] Weber, Walter, DE  
[72] Maab, Jurgen, DE  
[72] Glaunsinger, Georg, DE  
[72] Necker, Thomas, DE  
[72] Merkel, Gerd, DE  
[73] HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT, DE  
[22] 1991-12-03  
[30] DE (40 41 452.3) 1990-12-21  
[30] DE (41 29 831.4) 1991-09-07

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[11] **2,057,059**  
[13] C

[51] **Int.Cl. 6G01N 33/52 6G01N 33/543**  
[25] EN  
[54] **TEST CARRIER FOR THE ANALYSIS OF FLUIDS**  
[54] **PORTEUR EXPERIMENTAL POUR L'ANALYSE DE LIQUIDES**  
[72] Krause, Manfred, DE  
[72] Schindler, Gerhard, DE  
[73] BOEHRINGER MANNHEIM GmbH, DE  
[85] 1991-11-21  
[86] 1991-04-12 (PCT/DE91/00310)  
[87] (WO91/16626)  
[30] DE (P 40 12 216.6) 1990-04-14

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[11] **2,057,773**  
[13] C

[51] **Int.Cl. 6A61B 17/16 6A61B 17/58**  
[25] EN  
[54] **DRILL CHUCK FOR A DRILLING MACHINE IN PARTICULAR FOR SURGICAL PURPOSES**  
[54] **MANDRIN PORTE-FORET POUR PERCEUSE, A DES FINS CHIRURGICALES EN PARTICULIER**  
[72] Zurbrugg, Andreas, CH  
[72] Schaufelberger, Jürg, CH  
[73] Synthes (U.S.A.), US  
[22] 1991-12-17  
[30] CH (04 041/90-8) 1990-12-19

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[13] C

[51] **Int.Cl. 6A24D 1/02 6A24B 3/14 6A24B 15/14**  
[25] EN  
[54] **NOVEL SMOKING PRODUCT**  
[54] **NOUVEAU PRODUIT POUR LES FUMEURS**  
[72] Black, Gary, CA  
[72] Daoust, Jacques, CA  
[72] Bowen, Larry, CA  
[72] Ayres, George Edward, CA  
[73] Rothmans, Benson & Hedges Inc., CA  
[22] 1991-12-24  
[30] GB (9100196.6) 1991-01-05  
[30] GB (9103202.9) 1991-02-14  
[30] GB (9108783.3) 1991-04-24  
[30] GB (9110559.3) 1991-05-16  
[30] GB (9114598.7) 1991-07-05

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[11] **2,058,525**  
[13] C

[51] **Int.Cl. 6B60C 11/02**  
[25] EN  
[54] **CONTOURED REPLACEMENT TREAD**  
[54] **SEMELLE DE REMPLACEMENT PROFILEE**  
[72] Seiler, Ronald R., US  
[72] Roelle, Herbert J., US  
[73] Bandag Licensing Corporation, US  
[22] 1991-12-24  
[30] US (634,421) 1990-12-27

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[11] **2,060,119**  
[13] C

[51] **Int.Cl. 6G01N 27/31 6G01N 27/26 6G01N 27/333 6G01N 30/96**  
[25] EN  
[54] **METHOD AND APPARATUS FOR DETECTING IONS AND SMALL MOLECULES IN AQUEOUS AND NON-AQUEOUS LIQUIDS**  
[54] **METHODE ET APPAREIL POUR DETECTER DES IONS ET DE PETITES MOLECULES DANS DES LIQUIDES AQUEUX ET NON AQUEUX**  
[72] Baker, Mark D., CA  
[72] Senaratne, Chandana, CA  
[73] CHANDANA SENARATNE, SA  
[73] MARK D. BAKER, CA  
[22] 1992-01-28  
[30] GB (9103053.6) 1991-02-13

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[11] **2,061,701**  
[13] C

[51] **Int.Cl. 6F01D 15/10 6E21B 49/00**  
[25] EN  
[54] **ELECTRIC POWER SUPPLY FOR USE DOWNHOLE**  
[54] **DISPOSITIF D'ALIMENTATION EN ENERGIE ELECTRIQUE A UTILISER AU FOND D'UN TROU**  
[72] Schultz, Roger L., US  
[72] Manke, Kevin R., US  
[72] Skinner, Neal G., US  
[72] Bohan, William L., US  
[72] Young, Allen R., US  
[73] Halliburton Company, US  
[22] 1992-02-20  
[30] US (658,478) 1991-02-20

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[11] 2,062,720  
[13] C

[51] Int.Cl. 6C23C 2/24 6C23C 2/00  
6C23C 2/38  
[25] FR  
[54] PROCEDE, ENCEINTE ET  
INSTALLATION POUR LE  
RETEMENT CONTINU/  
INTERMITTENT D'OBJETS PAR  
PASSAGE DESDITS OBJETS A  
TRAVERS UNE MASSE LIQUIDE D'UN  
PRODUIT DE RETEMENT  
[54] PROCESS, ENCLOSURE AND  
INSTALLATION FOR CONTINUOUS/  
INTERMITTENT COATING OF  
OBJECTS BY PASSING THE SAID  
OBJECTS THROUGH A LIQUID MASS  
OF A COATING PRODUCT  
[72] Delot, José, FR  
[73] Delot Process, FR  
[85] 1992-01-09  
[86] 1990-06-08 (PCT/FR90/00405)  
[87] (WO90/15166)  
[30] FR (89 07697) 1989-06-09  
[30] FR (89 11344) 1989-08-29

[11] 2,064,740  
[13] C

[51] Int.Cl. 6B01D 59/34  
[25] EN  
[54] METHOD FOR ENRICHMENT OF  
OXYGEN 18 WITH A LASER  
[54] METHODE D'ENRICHISSEMENT  
D'OXYGENE 18 FAISANT APPEL A UN  
RAYON LASER  
[72] Arai, Shigeyoshi, JP  
[72] Majima, Tetsuro, JP  
[72] Sugita, Kyoko, JP  
[73] Rikagaku, Kenkyusho, JP  
[85] 1992-01-31  
[86] 1990-08-29 (PCT/JP90/01093)  
[87] (WO91/03308)  
[30] JP (223887/89) 1989-08-30  
[30] JP (166254/90) 1990-06-25

[11] 2,064,811  
[13] C

[51] Int.Cl. 6B65D 17/34 6B21D 51/38  
[25] EN  
[54] CONVENIENCE-FEATURE NON-  
CIRCULAR END CLOSURE WITH  
INTERRUPTED PANEL PROFILING  
[54] BOUCHAGE PRATIQUE DE  
CONTENANT NON CYLINDRIQUE A  
FACONNAGE INTERROMPU  
[72] Saunders, William T., US  
[72] Hanley, Kevin, US  
[73] Weirton Steel Corporation, US  
[85] 1992-02-05  
[86] 1991-06-10 (PCT/US91/03945)  
[87] (WO91/18796)  
[30] US (534,942) 1990-06-08

[11] 2,065,473  
[13] C

[51] Int.Cl. 6G06F 15/18  
[25] EN  
[54] KNOWLEDGE BASE  
MANAGEMENT SYSTEM FOR AN  
INFORMATION REASONING  
APPARATUS  
[54] GESTIONNAIRE DE BASE DE  
CONNAISSANCES POUR SYSTEME  
EXPERT  
[72] Shibao, Kouichi, JP  
[72] Nishimura, Tadashi, JP  
[72] Osada, Yukinori, JP  
[72] Shimizu, Makoto, JP  
[73] MITSUI CHEMICALS, INC, JP  
[22] 1992-04-07  
[30] JP (3-95858) 1991-04-25  
[30] JP (3-97750) 1991-04-26

[11] 2,065,823  
[13] C

[51] Int.Cl. 6F27D 11/04 6F27D 3/00  
6B01J 20/34 6H05B 3/60  
[25] EN  
[54] DIRECT RESISTANCE HEATING  
ELECTRICAL FURNACE ASSEMBLY  
AND METHOD OF OPERATING SAME  
[54] FOUR ELECTRIQUE A  
CHAUFFAGE DIRECT PAR  
RESISTANCE; MODE OPERATOIRE  
[72] Van Staden, Petrus Johannes, ZA  
[73] Mintek, ZA  
[22] 1992-04-10  
[30] ZA (91/2647) 1991-04-10

[11] 2,065,884  
[13] C

[51] Int.Cl. 6D07B 1/00  
[25] EN  
[54] FRICTIONAL MATERIAL  
[54] MATERIAU DE FRICTION  
[72] Takahata, Sirou, JP  
[72] Amakawa, Jirou, JP  
[72] Tsuji, Masami, JP  
[73] NICHIAS Corporation, JP  
[22] 1992-04-13  
[30] JP (3-122809) 1991-04-26

[11] \* 2,067,327  
[13] C

[51] Int.Cl. 6F03D 1/00  
[25] EN  
[54] HORIZONTAL AXIS WIND  
TURBINE WITH ROTORS ADJUSTED  
TO AND BY THE WIND FORCE  
[54] EOLIENNE A AXE HORIZONTALE  
A AUTOREGLAGE DES ROTORS EN  
FONCTION DE LA FORCE DU VENT  
[72] Sulica, Ray R. A., CA  
[73] Sulica, Ray R. A., CA  
[22] 1992-04-27

[11] 2,068,034  
[13] C

[51] Int.Cl. 6B60P 1/43 6B62D 33/03  
6B65G 69/28  
[25] EN  
[54] FOLDING GATE RAMP FOR  
PICKUP TRUCKS  
[54] HAYON DEPLIANT FORMANT  
RAMPE POUR CAMIONNETTE  
[72] McCleary, Dennis M., US  
[73] McCleary, Dennis M., US  
[22] 1992-05-05  
[30] US (07/696,020) 1991-05-06

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[11] **2,069,611**  
[13] C

[51] **Int.Cl. 6G01N 33/68 6G01N 33/53**  
[25] EN  
[54] **METHOD TO DETECT BONE AND OTHER CONNECTIVE TISSUE DISORDERS IN HUMANS AND ANIMALS**  
[54] **METHODE DE DETECTION DE TROUBLES DES OS ET D'AUTRES TISSUS CONJONCTIFS CHEZ LES HUMAINS ET LES ANIMAUX**  
[72] Robins, Simon Peter, GB  
[73] ROWETT RESEARCH INSTITUTE (THE), GB  
[85] 1992-05-26  
[86] 1990-12-28 (PCT/GB90/02030)  
[87] (WO91/10141)  
[30] GB (8929366.6) 1989-12-30

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[11] **2,070,882**  
[13] C

[51] **Int.Cl. 6C07K 14/79 6C07K 1/16**  
[25] EN  
[54] **A PROCESS FOR LARGE-SCALE PRODUCTION OF ANTIMICROBIAL PEPTIDE IN HIGH PURITY**  
[54] **METHODE DE PRODUCTION MASSIVE DE PEPTIDES ANTIMICROBIENS ULTRAPURS**  
[72] Tomita, Mamoru, JP  
[72] Bellamy, Wayne R., JP  
[72] Hagiwara, Tomoyuki, JP  
[72] Shimamura, Seiichi, JP  
[72] Kawase, Kozo, JP  
[72] Fukuwatari, Yasuo, JP  
[72] Takase, Mitsunori, JP  
[72] Matukuma, Hiroyuki, JP  
[73] Morinaga Milk Industry Co., Ltd., JP  
[22] 1992-06-09  
[30] JP (150604/1991) 1991-06-21

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[11] **2,071,025**  
[13] C

[51] **Int.Cl. 6H01S 3/18**  
[25] EN  
[54] **SEMICONDUCTOR LASER**  
[54] **LASER A SEMI-CONDUCTEUR**  
[72] Yoshida, Ichiro, JP  
[73] Sumitomo Electric Industries, Ltd., JP  
[22] 1992-06-11  
[30] JP (140135/1991) 1991-06-12  
[30] JP (158841/1991) 1991-06-28

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[11] **2,071,901**  
[13] C

[51] **Int.Cl. 6G06F 17/60 6H04H 9/00**  
[25] EN  
[54] **PORTABLE ELECTRONIC DEVICE TO ESTABLISH PUBLIC LOYALTY TO A MEDIA OR SIMILAR**  
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[73] Glit/Gemtex, Limited, CA  
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[54] **METHODS AND APPARATUS FOR SUPPLYING GAS UNDER HIGH PRESSURE TO WELDABLE AIR BAG VESSELS WITH A GAS PASSAGE FORMED THEREIN, AND LIKE PRODUCTS, AND THEN WELD-SEALING THE PASSAGE**  
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[54] **METHODES D'IDENTIFICATION DE PERSONNES A L'AIDE D'UNE ANALYSE DES FORMES ELEMENTAIRES DEDUITES DE DONNEES RECUEILLIES PAR BIOCAPTEUR**  
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[73] Geauga Company (The), US  
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[54] **METHOD AND APPARATUS FOR INCREASING TWO TIER MACROCELL/MICROCELL SUBSCRIBER CAPACITY IN A CELLULAR SYSTEM IN WHICH MICROCELL ACCESS BY A MOBILE IS DEPENDENT ON A MOBILE'S VEHICULAR SPEED**  
[54] **METHODE ET APPAREIL POUR ACCROITRE LE NOMBRE MAXIMAL D'ABONNES D'UN SYSTEME CELLULAIRE A DEUX NIVEAUX, MACROCELLULE / MICROCELLULE, DANS LEQUEL L'ACCES A LA MICROCELLULE PAR UN POSTE MOBILE EST DEPENDANT DE LA VITESSE DU VEHICULE LOGEANT LE POSTE MOBILE**  
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[73] American Telephone and Telegraph Company, US  
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[54] **POSITION-SENSING AND MOTOR VERIFICATION ASSEMBLY FOR A MOTOR DRIVEN MECHANISM**  
[54] **DISPOSITIF DE DETECTION DE POSITION ET DE CONTROLE DE MOUVEMENT POUR MECANISME ENTRAINE PAR UN MOTEUR**  
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[54] **EXTRACTION DE COMPOSES ORGANIQUES DE SOLUTIONS AQUEUSES**  
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[73] MONSANTO COMPANY, US  
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[54] **AGENT DE TRAITEMENT DE LA MALADIE DE PARKINSON**  
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[72] Druetz, Catherine, BE  
[72] Braquet, Pierre, FR  
[72] Mencia-Huerta, Jean-Michel, FR  
[72] Uyttenhove, Catherine, BE  
[72] Renauld, Jean-Christophe, BE  
[72] Van Snick, Jacques, BE  
[72] Dugas, Bernard, FR  
[73] LUDWIG INSTITUTE FOR CANCER RESEARCH, US  
[73] SOCIÉTÉ DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R., FR  
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[54] **RECEPTEUR A COMMANDE DE FREQUENCE AUTOMATIQUE**  
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[72] Davis, Walter Lee, US  
[72] Fernandez, Sergio, US  
[72] Ponce de Leon, Lorenzo A., US  
[72] Siwiak, Kazimierz, US  
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[72] Mason, Wenda, CA  
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[54] **APPAREIL DE CHAUFFAGE MUNI D'UN ECHANGEUR DE CHALEUR**  
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[73] Evcon Industries, Inc., US  
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[54] **METHOD AND APPARATUS FOR EVENT PROCESSING IN BIOLOGICAL APPLICATIONS**  
[54] **METHODE ET APPAREIL POUR LE TRAITEMENT DES EVENEMENTS DANS DES APPLICATIONS BIOLOGIQUES**  
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[72] Beatty, Graydon, US  
[72] Lang, Douglas, US  
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[54] **MATERIAU DE REVETEMENT POUR ARMATURE DE MOTEUR D'EQUIPEMENTS ELECTRIQUES**  
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[73] Scott Fetzer Company (The), US  
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[54] **METHOD FOR OBTAINING PHOSPHO-NITROGENOUS PRODUCTS AND PRODUCTS THUS OBTAINED**  
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[72] Ilbizian, Pierre, FR  
[72] Limousin, Laurent, FR  
[72] Neveu, Bernard, FR  
[72] Schwob, Yvan Alfred, FR  
[72] Peudpiece, Jean-Bernard, FR  
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[54] **METHODE DE TRAITEMENT DU CANCER**  
[72] Brandes, Lorne J., CA  
[73] University of Manitoba, CA  
[85] 1993-06-16  
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[54] **APPAREIL POUR RESEAU DE SAISIE DE DONNEES**  
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[72] Jarzab, Michel, CA  
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[54] **APPAREIL ET METHODE D'ENREGISTREMENT ET DE RETRANSMISSION SUR DEMANDE DE SIGNAUX VIDEO**  
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[72] Bitter, Darrin W., CA  
[72] Florence, Everett L., CA  
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[51] **Int.Cl. 6H04B 7/26 6H04Q 7/36**  
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[73] Motorola, Inc., US  
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[87] (WO92/15179)  
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[54] **METHODE ET APPAREIL COMPENSATEUR DE PHASE**  
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[54] **VERROU DE PORTE ACTIONNE  
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[25] EN  
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[54] **METHODE ET DISPOSITIF  
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[73] NORTHERN TELECOM LIMITED,  
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[54] **COMPOSITION DE  
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[72] Gardner, Irwin Jerome, US  
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[30] US (673,046) 1991-03-21

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[13] C

[51] **Int.Cl. 6B41J 2/015**  
[25] EN  
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[54] **APPAREIL D'ENREGISTREMENT  
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[72] Sugitani, Hiroshi, JP  
[72] Masuda, Kazuaki, JP  
[72] Kasamoto, Masami, JP  
[72] Suzuki, Seiji, JP  
[72] Kashino, Toshio, JP  
[72] Arashima, Teruo, JP  
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[72] Kawai, Jun, JP  
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[13] C

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[25] EN  
[54] **APPARATUS AND METHOD FOR  
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[54] **DISPOSITIF ET METHODE POUR  
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[72] Watkins, Frank T., III, US  
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[30] US (706,781) 1991-05-29

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[13] C

[51] **Int.Cl. 6G01R 31/26 6G01R 31/3163  
6G01R 31/3167 6G01R 31/3181**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
IN-SITU TESTING OF INTEGRATED  
CIRCUIT CHIPS**  
[54] **METHODE ET APPAREIL DE  
VERIFICATION IN SITU DE PUCES DE  
CIRCUITS INTEGRES**  
[72] Bhatt, Anilkumar Chinuprasad, US  
[72] Buda, Leo Raymond, US  
[72] Edwards, Robert Douglas, US  
[72] Hart, Paul Joseph, US  
[72] Ingraham., Anthony Paul, US  
[72] Markovich, Voya Rista, US  
[72] Molla, Jaynal Abedin, US  
[72] Murphy, Richard Gerald, US  
[72] Saxenmeyer, George John, Jr., US  
[72] Walker, George Frederick, US  
[72] Whalen, Bette Jaye, US  
[72] Zarr, Richard Stuart, US  
[73] INTERNATIONAL BUSINESS  
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[22] 1993-12-01  
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MOVEABLE ELEMENTS**  
[54] **APPAREIL POUR VERROUILLER  
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[73] VAE AKTIENGESELLSCHAFT, AT  
[22] 1993-12-16  
[30] AT (A 2507/92) 1992-12-17

[11] **2,113,045**  
[13] C

[51] **Int.Cl. 6H04N 7/12 6H04N 7/26**  
[25] EN  
[54] **HALF-PIXEL INTERPOLATION  
FOR A MOTION COMPENSATED  
DIGITAL VIDEO SYSTEM**  
[54] **INTERPOLATION DE PIXELS  
POUR SYSTEME VIDEO NUMERIQUE  
A CORRECTION DES EFFETS DUS  
AUX MOUVEMENTS**  
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[72] Fox, John, US  
[73] General Instrument Corporation, US  
[22] 1994-01-07  
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[25] EN  
[54] **AERAULIC SEPARATOR,  
PARTICULARLY FOR SORTING  
WASTE**  
[54] **SEPARATEUR AERAULIQUE,  
NOTAMMENT POUR LE TRI DE  
DECHETS**  
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[73] Delta Neu S.A., FR  
[22] 1994-01-13  
[30] FR (93 01117) 1993-01-26  
[30] EP (93490025.9) 1993-12-20

[11] 2,114,268  
[13] C

[51] **Int.Cl. 6H04L 7/00**  
[25] EN  
[54] **CLOCK SYNCHRONIZING  
CIRCUIT**  
[54] **CIRCUIT DE SYNCHRONISATION  
D'HORLOGE**  
[72] Nezu, Toshiya, JP  
[73] NEC Corporation, JP  
[22] 1994-01-26  
[30] JP (77475/1993) 1993-03-12

[11] 2,114,650  
[13] C

[51] **Int.Cl. 6G02F 1/167 6G09G 3/34**  
[25] EN  
[54] **ELECTROPHORETIC DISPLAY  
PANEL WITH INTERNAL MESH  
BACKGROUND SCREEN**  
[54] **PANNEAU D'AFFICHAGE A  
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[54] **MATRICE DE PERFORATION**  
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[73] Amada Metreco Company, Limited, JP  
[22] 1994-02-03  
[30] JP (5-16184) 1993-02-03

[11] 2,115,304  
[13] C

[51] **Int.Cl. 6C01F 17/00 6C01G 25/02  
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[25] FR  
[54] **PROCEDE DE PREPARATION DE  
COMPOSITIONS A BASE D'OXYDES  
MIXTES DE ZIRCONIUM ET DE  
CERIUM**  
[54] **PROCESS FOR PREPARING  
ZIRCONIUM AND CERIUM MIXED  
OXIDES COMPOSITIONS**  
[72] Chopin, Thierry, FR  
[72] Vilmin, Gabriel, US  
[73] RHONE-POULENC CHIMIE, FR  
[22] 1994-02-09  
[30] FR (93 01 451) 1993-02-10

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[13] C

[51] **Int.Cl. 6C01F 17/00 6C01G 25/02  
6B01J 21/06 6B01J 23/10**  
[25] FR  
[54] **PROCEDE DE SYNTHESE DE  
COMPOSITIONS A BASE D'OXYDES  
MIXTES DE ZIRCONIUM ET DE  
CERIUM, COMPOSITIONS AINSI  
OBTENUES ET UTILISATIONS DE CES  
DERNIERES**  
[54] **PROCESS FOR SYNTHESIZING  
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OXIDES COMPOSITIONS;  
COMPOSITIONS THUS OBTAINED  
AND USE THEREOF**  
[72] Chopin, Thierry, FR  
[72] Vilmin, Gabriel, US  
[73] RHONE-POULENC CHIMIE, FR  
[22] 1994-02-09  
[30] FR (93 01 450) 1993-02-10

[11] 2,115,824  
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[51] **Int.Cl. 6A61M 1/00 6F04B 49/06**  
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TECHNOLOGY**  
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[13] C

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[25] EN  
[54] **DECODER SELECTION**  
[54] **SELECTION POUR DECODEUR**  
[72] Roney, Edward M., IV, US  
[73] MOTOROLA, INC., US  
[22] 1994-03-01  
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[11] 2,118,037  
[13] C

[51] **Int.Cl. 6A61B 17/34**  
[25] EN  
[54] **AUTOMATIC RETRACTABLE  
TROCART WITH SAFETY SHIELD**  
[54] **TROCART A RETRAIT  
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SURETE**  
[72] Yoon, InBae, US  
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[85] 1994-10-12  
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[51] **Int.Cl. 6B41J 2/01**  
[25] EN  
[54] **INK-JET PRINTING METHOD AND  
METHOD OF PRODUCING PRINT**  
[54] **METHODES D'IMPRESSION A JET  
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D'IMPRIMES**  
[72] Kashiwazaki, Akio, JP  
[72] Shirota, Katsuhiko, JP  
[72] Katayama, Masato, JP  
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TISSUE ADHESION**  
[54] **DISPOSITIFS POUR PREVENIR  
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[25] EN  
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STRENGTH**  
[54] **COUSSIN GONFLABLE A HAUTE  
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[72] Nishimura, Kunio, JP  
[72] Nakagawa, Hideo, JP  
[72] Takahashi, Nobuo, JP  
[73] Teijin Limited, JP  
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CELLULAIRE**  
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[72] Axelrad, Arthur A., CA  
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[51] **Int.Cl. 6G01N 1/00**  
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[54] **METHOD AND APPARATUS FOR  
DETECTING MERCURY**  
[54] **METHODE ET APPAREIL POUR  
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[72] Schneeberger, Daniel R., CA  
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[13] C

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[54] **PAIR DIVISION MULTIPLEXER  
FOR DIGITAL COMMUNICATIONS**  
[54] **MULTIPLEXEUR A DIVISION DE  
PAIRES POUR LES  
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[72] Little, Vernon Robert, CA  
[73] PMC-SIERRA LTD., CA  
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[13] C

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[25] EN  
[54] **METHOD OF CALCULATING  
WORK BURDEN INDEX AND  
APPARATUS FOR CARRYING OUT  
THE SAME METHOD AND WORK  
ROUTINE PLANNING METHOD  
UTILIZING THE SAME INDEX**  
[54] **METHODE ET APPAREIL POUR  
CALCULER UN INDICE DE CHARGE  
DE TRAVAIL ET METHODE DE  
PLANIFICATION DE TRAVAUX  
UTILISANT CET INDEX**

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[11] **2,120,066**  
[13] C

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[54] **BI-FOLD LID FOR CONTAINER**  
[54] **COUVERCLE EN DEUX  
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[72] Stein, Eric, US  
[73] Buckhorn Material Handling Group,  
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[22] 1994-03-28  
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[13] C

[51] **Int.Cl. 6H04B 1/10 6H04L 1/20  
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[25] EN  
[54] **APPARATUS AND METHOD FOR  
CONVERTING SOFT SYMBOLS INTO  
SOFT BITS**  
[54] **DISPOSITIF ET METHODE DE  
CONVERSION DE SYMBOLES EN BITS**  
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[72] Mueller, Bruce Dale, US  
[73] MOTOROLA, INC., US  
[22] 1994-04-19  
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[54] **ISOLATEUR ET METHODE DE FABRICATION**  
[72] Itoh, Hiromu, JP  
[72] Mori, Shigeo, JP  
[72] Nakai, Takao, JP  
[72] Yamaguchi, Makio, JP  
[72] Itoh, Naohito, JP  
[73] NGK Insulators, Ltd., JP  
[85] 1994-05-25  
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[87] (WO94/08345)  
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[11] **2,124,390**  
[13] C

[51] **Int.Cl. 6H04N 7/08 6H04N 5/445**  
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[54] **SYSTEME D'AFFICHAGE DE SOUS-TITRES**  
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[72] Rinaldi, Antonio A., CA  
[73] ATI TECHNOLOGIES INC., CA  
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[25] EN  
[54] **MECHANICALLY OPERATED PORTABLE AUTOMATIC CENTRIFUGAL TRANSMISSION**  
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[72] Lessi, Frank, CA  
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[54] **LOW DEPTH NESTABLE TRAY FOR CANS OR THE LIKE**  
[54] **PLATEAU EMBOITABLE DE FAIBLE HAUTEUR POUR BOITES METALLIQUES OU ARTICLES ANALOGUES**  
[72] Apps, William Pat, US  
[73] Rehrig-Pacific Company, Inc., US  
[85] 1994-06-17  
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[13] C

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[72] Du, Run-Pan, CA  
[72] Ewasyshyn, Mary E., CA  
[73] Connaught Laboratories Limited, CA  
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[13] C

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[54] **SYSTEME DE COMMANDE DE FREQUENCE**  
[72] Vannatta, Louis Jay, US  
[72] Froehling, Timothy Paul, US  
[73] Motorola, Inc., US  
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[87] (WO94/15409)  
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[13] C

[51] **Int.Cl. 6H04L 9/22**  
[25] EN  
[54] **ENCRYPTION APPARATUS, COMMUNICATION SYSTEM USING THE SAME AND METHOD THEREFOR**  
[54] **APPAREIL ET METHODE DE CHIFFREMENT ET SYSTEME DE COMMUNICATION UTILISANT CET APPAREIL**  
[72] Iwamura, Keiichi, JP  
[72] Yamamoto, Takahisa, JP  
[73] Canon Kabushiki Kaisha, JP  
[22] 1994-07-15  
[30] JP (5-179232) 1993-07-20  
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[13] C

[51] **Int.Cl. 6G07D 11/00**  
[25] EN  
[54] **SYSTEM FOR THE SECURE TRANSPORTATION OF ARTICLES**  
[54] **SYSTEME DE TRANSPORT SECURITAIRE D'ARTICLES**  
[72] Cassidy, Gerald Anthony, ZA  
[72] Netshisaulu, Khathutshelo Seth, ZA  
[72] Lubashevsky, Aharon, ZA  
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[13] C

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[25] EN  
[54] **ACCESS POINT SWITCHING FOR MOBILE WIRELESS NETWORK NODE**  
[54] **COMMUTATION DE POINTS D'ACCES POUR NOEUD DE RESEAU DE COMMUNICATION MOBILE SANS FIL**  
[72] Baker, Murray C., CA  
[72] Cheung, Roger Y. M., CA  
[72] Perkins, Charles E., US  
[72] Reissner, Peter E., CA  
[73] IBM CANADA LIMITED - IBM CANADA LIMITEE, CA  
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[13] C

[51] **Int.Cl. 6G01N 21/03 6B29C 45/00**  
[25] EN  
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[54] **CUVETTE DE DOSAGE EN PLASTIQUE A FAIBLE BIREFRINGENCE**  
[72] Kanewske, William J. III, US  
[72] Moore, Larry W., US  
[72] Vaught, James A., US  
[72] Vickstrom, Richard L., US  
[72] Clark, Frederic L., US  
[72] Clift, Gilbert, US  
[72] Hendrick, Kendall B., US  
[72] Lagocki, Peter A., US  
[72] Martin, Richard R., US  
[72] Mitchell, James E., US  
[72] Smith, B. Jane, US  
[72] Pennington, Charles D., US  
[72] Walker, Edna S., US  
[72] Tayi, Apparao, US  
[72] Yost, David A., US  
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[86] 1993-03-24 (PCT/US93/02790)  
[87] (WO93/19928)  
[30] US (07/859,218) 1992-03-27  
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[13] C

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[54] **CARTE DE CREDIT AVEC LENTILLE GROSSISSANTE**  
[72] Finkelstein, Alan, US  
[72] Boede, Robert H., US  
[72] Dixon, Donald A., US  
[73] Finkelstein, Alan, US  
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[86] 1993-02-09 (PCT/US93/01176)  
[87] (WO93/16445)  
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[13] C

[51] **Int.Cl. 6A61K 31/44 6A61K 9/22 6A61K 31/455 6A61K 9/52**  
[25] EN  
[54] **SUSTAINED RELEASE HETERODISPERSE HYDROGEL SYSTEMS FOR INSOLUBLE DRUGS**  
[54] **LIBERATION SOUTENUE DE SYSTEMES D'HYDROGEL HETERODISPERSES POUR MEDICAMENTS INSOLUBLES**  
[72] Baichwal, Anand R., US  
[73] Edward Mendell Co., Inc., US  
[22] 1994-09-08  
[30] US (08/118,924) 1993-09-09

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[13] C

[51] **Int.Cl. 6A61F 2/24**  
[25] EN  
[54] **CARDIAC VALVE**  
[54] **VALVULE CARDIAQUE**  
[72] Lentell, Jan, SE  
[73] JCL Technic AB, SE  
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[51] **Int.Cl. 6A61F 2/04**  
[25] EN  
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[54] **PROTHESE TUBULAIRE A DIAMETRE EXTENSIBLE**  
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[73] MEADOX MEDICALS, INC., US  
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[86] 1994-01-13 (PCT/US94/00632)  
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[13] C

[51] **Int.Cl. 6A61N 1/36**  
[25] EN  
[54] **DEVICE FOR TROPHIC STIMULATION OF MUSCLES**  
[54] **SYSTEME DE STIMULATION TROPHIQUE DES MUSCLES**  
[72] Cywinski, Jozef, US  
[73] Cywinski, Jozef, US  
[22] 1994-09-15

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[11] **2,133,396**  
[13] C

[51] **Int.Cl. 6F16S 3/00 6D21G 9/00 6F16M 1/00**  
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[54] **SUPPORT STRUCTURE**  
[54] **SUPPORT**  
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[72] Sutti, Risto, FI  
[73] Valmet Corporation, FI  
[22] 1994-09-30

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[11] \* **2,134,017**  
[13] C

[51] **Int.Cl. 6H04L 12/66**  
[25] EN  
[54] **NETWORK BRIDGE**  
[54] **PONT D'INTERCONNEXION DE RESEAU**  
[72] Smith, David D., US  
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
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[30] US (178,373) 1993-12-22

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[54] **FLUID HANDLING IN MICROFABRICATED ANALYTICAL DEVICES**  
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[72] Wilding, Peter, US  
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[30] US (877,536) 1992-05-01  
[30] US (877,701) 1992-05-01  
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[73] Rieke Corporation, US  
[22] 1994-11-01  
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[72] White, Christopher, US  
[73] OBJECT TECHNOLOGY LICENSING CORPORATION, US  
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[54] **METHODES AMELIOREES DE PREPARATION DE PROTEINE FIXANT LES ENDOTOXINES**  
[72] Grinna, Lynn S., US  
[73] Xoma Corporation, US  
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[51] **Int.Cl. 6C08G 18/18 6C08L 75/04**  
[25] EN  
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[54] **METHODE AMELIOREE POUR PREPARER UNE MOUSSE DE POLYURETHANE**  
[72] Gerkin, Richard M., US  
[73] OSi Specialties, Inc., US  
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[54] **METHODES DE TRANSFERT D'ARGENT SURES UTILISANT DES CARTES A PUCE**  
[72] Claus, David Michael, US  
[73] American Telephone and Telegraph Company, US  
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[51] **Int.Cl. 6H04L 7/04 6H04B 1/04 6H04B 1/16 6H04B 1/69**  
[25] EN  
[54] **PN CODE SYNCHRONIZING METHOD AND TRANSMITTER AND RECEIVER IN SPREAD SPECTRUM COMMUNICATION SYSTEMS**  
[54] **METHODE DE SYNCHRONISATION DE CODES PN ET EMETTEUR ET RECEPTEUR DE SYSTEMES DE COMMUNICATION A ETALEMENT DU SPECTRE**  
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[73] NEC Corporation, JP  
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[72] Niskanen, Don L., US  
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[54] **METHODE ET APPAREIL DE PRODUCTION DE CARTON D'EMBALLAGE**  
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[73] Westvaco Corporation, US  
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[54] **CABLE DE DIAMETRE REDUIT POUR INSTRUMENTS DE FOND DE FORAGE**  
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[72] Linville, Gregory D., US  
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[72] Spears, Patricia A., US  
[73] Becton, Dickinson and Company, US  
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[54] **MEDICAL FOODS FOR THE NUTRITIONAL SUPPORT OF CHILD/ ADULT METABOLIC DISEASES**  
[54] **ALIMENTS MEDICINAUX POUR LE SOUTIEN NUTRITIONNEL DANS LES CAS DE MALADIES METABOLIQUES CHEZ L'ENFANT ET L'ADULTE**  
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[72] Grondalski, Richard Andrew, US  
[72] Liebrecht, Jeffrey Wayne, US  
[72] Reynolds, Patricia Ann, US  
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[73] Phillips Petroleum Company, US  
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[25] EN  
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[72] Schmidt, Gregory G., US  
[73] Pacific Handy Cutter, Inc., US  
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[25] EN  
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[54] **DERIVES CRISTALLIN DE PENICILLINE, SA PRODUCTION ET SON UTILISATION**  
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[73] TAIHO PHARMACEUTICAL CO., LTD., JP  
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[54] **COMPOSITIONS AQUEUSES RETICULABLES PAR UN AMINOPLASTE, FORMANT DES PELLICULES A L'EPREUVE DU DECAPAGE PAR LES ACIDES**  
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[72] McCollum, Gregory J., US  
[72] Singer, Debra L., US  
[72] Olson, Kurt G., US  
[72] Stefko, S. Tonya, US  
[72] Mayo, Michael A., US  
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[87] (WO94/10211)  
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[72] Fry, Alan John, GB  
[72] Jones, David Philip, GB  
[73] Unilever PLC, GB  
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[54] **MAGNESIUM-ENHANCED SULFUR DIOXIDE SCRUBBING WITH GYPSUM FORMATION**  
[54] **PROCEDE AMELIORE AU MAGNESIUM POUR L'ELIMINATION DU DIOXYDE DE SOUFRE, AVEC FORMATION DE GYPSE**  
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[72] Tseng, Shiaw C., US  
[73] Dravo Lime Company, US  
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[72] Adachi, Fumiyuki, JP  
[73] NTT Mobile Communications Network Inc., JP  
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[25] EN  
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[54] **CONTENANT EN PLASTIQUE MOULE PAR SOUFFLAGE, ET METHODE DE FORMAGE CONNEXE**  
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[73] Pepsico, Inc., US  
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[73] Diametrics Medical, Inc., US  
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[72] Frazier, Lawrence M., US  
[73] RAYTHEON COMPANY, US  
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[72] Stulberg, Martin A., CA  
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[54] **METHOD OF TREATING SHALE AND CLAY IN HYDROCARBON FORMATION DRILLING**  
[54] **PROCEDE DE TRAITEMENT DE SCHISTE ET D'ARGILE DANS LE FORAGE DE FORMATIONS D'HYDROCARBURES**  
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[72] Thomas, Todd R., US  
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[54] **PROCEDE ET CIRCUIT DE SYNCHRONISATION A BOUCLE A PHASE ASSERVIE**  
[72] Kosiec, Jeannie Han, US  
[72] Gillig, Steven Frederick, US  
[73] Motorola, Inc., US  
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[87] (WO95/13659)  
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[13] C

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[54] **APPAREIL ET PROCEDE DE REGULATION DE LA LARGEUR DE BANDE D'UN CIRCUIT DE BOUCLE A PHASE ASSERVIE**  
[72] Gillig, Steven Frederick, US  
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[73] Motorola, Inc., US  
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[73] British Telecommunications public limited company, GB  
[85] 1995-07-24  
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[54] **ENSACHEUSE ET METHODE CORRESPONDANTE**  
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[73] Automated Packaging Systems, Inc., US  
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[54] **GENERATEUR DE GAZ D'ETALONNAGE**  
[72] Slemeyer, Andreas, US  
[73] Drägerwerk Aktiengesellschaft, DE  
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[54] **RUBAN ADHESIF TRIPLE-COUCHE, A BASE DE POLYIMIDESILOXANE**  
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[72] Rojstaczer, Sergio R., US  
[72] Tyrell, John A., US  
[73] Occidental Chemical Corporation, US  
[85] 1995-08-23  
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[54] **METHOD AND APPARATUS FOR GROUP ENCODING SIGNALS**  
[54] **METHODE ET APPAREIL DE CODAGE DE SIGNAUX PAR GROUPE**  
[72] Stewart, Kenneth A., US  
[72] Kotzin, Michael D., US  
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[25] EN  
[54] **SEMICONDUCTOR DEVICE WITH AMORPHOUS CARBON LAYER AND METHOD OF FABRICATING THE SAME**  
[54] **DISPOSITIF A SEMICONDUCTEUR A COUDRE DE CARBONE AMORPHE ET SA METHODE DE FABRICATION**  
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[73] NEC Corporation, JP  
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[30] JP (6-217470) 1994-09-12  
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[54] **METHODE ET APPAREIL POUR ETABLIR UN ENVIRONNEMENT DE COMMUNICATION SYNCHRONE**  
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[72] Malek, Charles John, US  
[73] Motorola, Inc., US  
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[54] **HOUSSE PORU SAC DE GOLF**  
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[72] Suggs, Gregory M., US  
[72] Solheim, John A., US  
[72] Lim, Nip Tan, US  
[73] Karsten Manufacturing Corporation, US  
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[54] **PANNEAUX MURAUX ET METHODE POUR LEUR FABRICATION**  
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[72] Van Steinburg, Clifford E., CA  
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[72] Utigard, Torstein, CA  
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[72] Dahl, Torbjorn, CA  
[73] Canadian Liquid Air Ltd./Air Liquide Canada Ltée, CA  
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[54] **SYSTEME DE CORRECTION DE DONNEES POUR RESEAU DE COMMUNICATION**  
[72] Browne, John Martin, GB  
[73] British Telecommunications public limited company, GB  
[85] 1995-09-22  
[86] 1994-03-31 (PCT/GB94/00705)  
[87] (WO94/23529)  
[30] GB (9306724.7) 1993-03-31  
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[30] GB (9317619.6) 1993-08-24

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[25] EN  
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[87] (WO94/22357)  
[30] US (040,560) 1993-03-31

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[51] Int.Cl. 6F04B 15/08 6F17C 5/00 6B60K 15/01 6F17C 5/02 6F17C 13/02 6F17C 3/08  
[25] EN  
[54] **CRYOGENIC FLUID PUMP AND TANK APPARATUS AND METHOD**  
[54] **APPAREIL A RESERVOIR ET POMPE POUR LIQUIDE CRYOGENIQUE; METHODE D'UTILISATION**  
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[73] Process Systems International, Inc., US  
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[87] (WO94/23201)  
[30] US (08/039,908) 1993-03-30

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[51] Int.Cl. 6C08L 33/14 6C09D 133/14 6B05D 1/36  
[25] EN  
[54] **COLOR-CLEAR COMPOSITE COATINGS HAVING IMPROVED INTERCOAT ADHESION**  
[54] **REVETEMENTS A BASE D'UN MELANGE TRANSPARENT, POSSEDANT UNE ADHERENCE INTER-COUCHES AMELIOREE**  
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[72] Sharma, Brij N., US  
[72] Johnston, B. Keith, US  
[73] PPG INDUSTRIES, INC., US  
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[86] 1994-03-14 (PCT/US94/02736)  
[87] (WO94/24186)  
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[51] Int.Cl. 6F02C 7/20  
[25] EN  
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[54] **JOINT DE DILATATION POUR TUYAU D'ECHAPPEMENT, RECTANGULAIRE ET RESISTANT AUX HAUTES TEMPERATURES**  
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[51] **Int.Cl. 6B65D 83/38 6B65D 83/54**  
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[73] Minnesota Mining and Manufacturing Company, US  
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[54] **MESURE DE L'ELECTROCHIMIOLUMINESCENCE**  
[72] Giesen, Ursula, DE  
[72] Müller, Günter, DE  
[72] Hoyle, Nicholas, DE  
[72] Klemt, Volker, DE  
[72] Neumann, Ulrich, DE  
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[30] DE (P 43 32 697.8) 1993-09-25  
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[73] ILLINOIS TOOL WORKS INC., US  
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[54] **METHODE POUR ECONOMISER L'ENERGIE**  
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[72] Dutkiewicz, Marek, CA  
[73] Motorola, Inc., US  
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[30] US (08/222,047) 1994-04-04

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[54] **MECANISME DE REGLAGE DE DOSSIER DE CHAISE**  
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[73] GLOBAL UPHOLSTERY COMPANY, CA  
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[54] **PRODUITS ALIMENTAIRES CONTENANT DE L'AMIDON SUCRE SU-2**  
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[72] Katz, Frances, US  
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[54] **MEASUREMENT OF A GAS CHARACTERISTIC**  
[54] **MESURE D'UNE CARACTERISTIQUE D'UN GAZ**  
[72] Hammond, Paul Stephen, GB  
[72] Thurston, Robert Richard, GB  
[73] BG PLC, GB  
[22] 1995-11-22  
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[13] C

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[72] Huxford, Roger Brian, GB  
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[54] **PANNEAU INSONORISANT AGRAFABLE**  
[72] Davis, Jerry L., US  
[72] Poel, Tim M., US  
[72] Vanderkolk, John, US  
[72] Thenikl, Henry A., US  
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[73] Herman Miller, Inc., US  
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[11] **2,165,075**  
[13] C

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[54] **A METHOD FOR VALIDATING A COMMUNICATION LINK**  
[54] **PROCEDE DE VALIDATION D'UNE LIAISON D'INTERCOMMUNICATION**  
[72] Schellinger, Michael J., US  
[73] Motorola, Inc., US  
[85] 1995-12-12  
[86] 1995-03-09 (PCT/US95/03083)  
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[30] US (08/239,012) 1994-05-06

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[13] C

[51] **Int.Cl. 6H04L 12/28 6H04L 29/04**  
[25] EN  
[54] **CARRIER SENSE COLLISION AVOIDANCE WITH AUTO ABORT**  
[54] **RESEAU A ACCES MULTIPLE PAR DETECTION DE PORTEUSE ET EVITEMENT DE COLLISION AVEC INTERRUPTION AUTOMATIQUE**  
[72] Hartley, Lee F., CA  
[72] McKay, Danny, CA  
[73] IBM CANADA LIMITED - IBM CANADA LIMITEE, CA  
[22] 1995-12-29

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[13] C

[51] **Int.Cl. 6A61K 7/075**  
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[54] **SHAMPOINGS REVITALISANTS CONTENANT DES CATIONS METALLIQUES POLYVALENTS**  
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[72] Snyder, Michael Albert, US  
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[73] PROCTER & GAMBLE COMPANY (THE), US  
[85] 1995-12-08  
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[13] C

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[13] C

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[54] **CIRCUIT SELECTIF DE REMISE EN MARCHE D'UN DISPOSITIF ELECTRONIQUE**  
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[72] Janssen, John Jerome, US  
[73] Motorola, Inc., US  
[85] 1996-01-09  
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[87] (WO95/35593)  
[30] US (08/263,595) 1994-06-22

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[13] C

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[25] EN  
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[54] **ACCESSOIRE POUR SECHER-CHEVEUX**  
[72] Rolf, Wilfried, DE  
[72] Liebenthal, Dieter, DE  
[73] Braun Aktiengesellschaft, DE  
[22] 1995-12-15  
[30] DE (P 44 45 237.3) 1994-12-17

[11] **2,167,778**  
[13] C

[51] **Int.Cl. 6F16L 47/02**  
[25] EN  
[54] **FITTING AND PIPE JOINT USING IT**  
[54] **RACCORD ET JOINT DE TUYAUTERIE REALISE AVEC UN TEL RACCORD**  
[72] Linton, Valerie Margaret, GB  
[72] Maine, Leslie, GB  
[73] BG PLC, GB  
[22] 1996-01-22  
[30] GB (95 01271.2) 1995-01-23

[11] **2,165,020**  
[13] C

[51] **Int.Cl. 6H04Q 7/32 6H04M 1/60**  
[25] EN  
[54] **CELLULAR SPEAKERPHONE AND METHOD OF OPERATION THEREOF**  
[54] **TELEPHONE A HAUT-PARLEUR CELLULAIRE; SON MODE D'EMPLOI**  
[72] Spears, John Hanford, US  
[72] Bond, David Leon, US  
[72] Vondrak, Thomas Frank, US  
[72] Meyer, George William Jr., US  
[72] Wong, Allen, US  
[73] MOTOROLA, INC., US  
[22] 1995-12-12  
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[13] C

[51] **Int.Cl. 6H02J 7/00**  
[25] EN  
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[54] **APPAREIL ET METHODE POUR LE MAINTIEN DE LA CHARGE D'UNE BATTERIE**  
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[54] **PRESENTOIR POUR MONTRES-BRACELETS**  
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[72] Sandler, Allan, CA  
[73] ALGAR PLASTICS (CANADA) LTD, CA  
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[13] C

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[25] EN  
[54] **RIB CONSTRUCTION FOR A DRAINING DEVICE IN A PAPER MACHINE**  
[54] **DISPOSITIF D'EGOUTTAGE NERVURE POUR MACHINE A FABRIQUER LE PAPIER**  
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[72] Jaakkola, Jyrki, CA  
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[25] EN  
[54] **CHEWING GUM WITH A ROLLING COMPOUND CONTAINING ERYTHRITOL**  
[54] **PATE DE CHEWING-GUM CONTENANT UN COMPOSE DE MALAXAGE A BASE D'ERYTHRITOL**  
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[72] Broderick, Kevin B., US  
[72] Yotka, Robert J., US  
[73] Wm. Wrigley Jr. Company, US  
[85] 1996-03-12  
[86] 1994-09-30 (PCT/US94/11144)  
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[13] C

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[25] FR  
[54] **PROCEDE ET DISPOSITIF POUR LA DETERMINATION D'UN ANALYTE DANS UN ECHANTILLON**  
[54] **PROCESS AND DEVICE FOR DETERMINING AN ANALYTE IN A SAMPLE**  
[72] Theretz, Alain, FR  
[72] Colin, Bruno, FR  
[72] Goudard, Michel, FR  
[73] Bio Merieux, FR  
[85] 1996-03-18  
[86] 1994-09-20 (PCT/FR94/01099)  
[87] (WO95/08769)  
[30] FR (93/11363) 1993-09-20

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[13] C

[51] **Int.Cl. 6H01B 7/28**  
[25] EN  
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[54] **CABLE RESISTANT AUX EFFETS TREE**  
[72] Gross, Laurence Herbert, US  
[73] UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION, US  
[22] 1996-03-29  
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[13] C

[51] **Int.Cl. 6F41B 11/06**  
[25] EN  
[54] **GAS PRESSURE ACCUMULATING AND SUPPLYING DEVICE FOR USE IN MODEL GUNS**  
[54] **DISPOSITIF D'ACCUMULATION ET DE DISTRIBUTION DE GAZ PRESSURISE DESTINE AUX MODELES DE PISTOLET**  
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[73] Western Arms, JP  
[22] 1996-03-29  
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[13] C

[51] **Int.Cl. 6G05B 19/18 6G05B 19/40**  
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[54] **COMMANDE PRECALCULEE DES MOUVEMENTS**  
[72] Olsen, John H., US  
[73] Omax Corporation, US  
[85] 1996-04-01  
[86] 1994-09-30 (PCT/US94/11161)  
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[13] C

[51] **Int.Cl. 6C07C 303/06 6C04B 24/16**  
[25] EN  
[54] **SULPHONATED HYDROCRACKING RESIDUES AS CONCRETE ADMIXTURES**  
[54] **RESIDUS D'HYDROCRAQUAGE SULFONES UTILISES COMME ADJUVANTS DU BETON**  
[72] Sawatzky, Henry, CA  
[72] Clelland, Ian F., CA  
[72] Mailvaganam, Noel P., CA  
[72] Farnand, Brian A., CA  
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[25] EN  
[54] **CONTROLLED-POROSITY, CALENDERED SPUNBONDED/MELT BLOWN LAMINATES**  
[54] **STRATIFIEES CALANDRES FILELIES/EXTRUDES PAR SOUFFLAGE DE POROSITE CONTROLEE**  
[72] Shin, Hyunkook, US  
[72] Lim, Hyun Sung, US  
[73] DU PONT (E. I.) DE NEMOURS AND COMPANY, US  
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[86] 1994-09-30 (PCT/US94/10592)  
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[13] C

[51] **Int.Cl. 6A61F 13/46 6A61F 13/15**  
[25] EN  
[54] **METHOD AND APPARATUS FOR FORMING AN INTERMITTENT STREAM OF PARTICLES FOR APPLICATION TO A FIBROUS WEB**  
[54] **PROCEDE ET DISPOSITIF DE FORMATION D'UN FLUX INTERMITTENT D'APPLICATION DE PARTICULES SUR UNE NAPPE FIBREUSE**

[72] Vonderhaar, Michael Francis, US  
[72] Fleming, James Michael, US  
[73] PROCTER & GAMBLE COMPANY (THE), US  
[85] 1996-04-11  
[86] 1994-10-14 (PCT/US94/11757)  
[87] (WO95/10994)  
[30] US (08/139,249) 1993-10-19

[11] **2,174,951**  
[13] C

[51] **Int.Cl. 6G07F 7/10 6G07F 19/00**  
[25] EN  
[54] **A METHOD AND APPARATUS FOR DISTRIBUTING CURRENCY**  
[54] **PROCEDE ET APPAREIL DE DISTRIBUTION D'ARGENT**

[72] Brandt, Priscilla C., US  
[72] Levine, Jack, US  
[72] Clark, Helen, US  
[72] Johnson, David L., US  
[72] Jackson, Nydia, US  
[73] VISA INTERNATIONAL SERVICE ASSOCIATION, US  
[85] 1996-04-24  
[86] 1994-10-14 (PCT/US94/11688)  
[87] (WO95/12169)  
[30] US (08/141,772) 1993-10-25

[11] **2,175,787**  
[13] C

[51] **Int.Cl. 6C30B 33/12**  
[25] EN  
[54] **METHOD OF SYNTHETIC DIAMOND ABLATION WITH AN OXYGEN PLASMA AND SYNTHETIC DIAMONDS ETCHED ACCORDINGLY**  
[54] **MODE D'ABLATION D'UN DIAMANT SYNTHETIQUE A L'AIDE D'UN PLASMA D'OXYGENE ET DIAMANTS SYNTHETIQUES AINSI**

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[72] Chakraborty, Rabindra N., US  
[72] Reinhard, Donnie K., US  
[72] Goldman, Paul D., US  
[72] Ferrecchia, Michael J., US  
[73] SAINT-GOBAIN/NORTON INDUSTRIAL CERAMICS CORPORATION, US  
[73] BOARD OF TRUSTEES, A CONSTITUTIONAL CORPORATION OPERATING MICHIGAN, US  
[22] 1996-05-03  
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[11] **2,176,129**  
[13] C

[51] **Int.Cl. 6F02M 21/04 6F02M 19/02**

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[54] **CARBURATEUR**  
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[72] Jager, Dennis John, GB  
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[73] BG PLC, GB  
[85] 1996-05-08  
[86] 1994-11-17 (PCT/GB94/02536)  
[87] (WO95/14164)  
[30] GB (9323873.1) 1993-11-19

[11] **2,177,050**  
[13] C

[51] **Int.Cl. 6H01Q 13/10**  
[25] EN  
[54] **DIELECTRIC ANTENNA**  
[54] **ANTENNE DIELECTRIQUE**  
[72] Tanaka, Nobuaki, JP  
[72] Kawahata, Kazunari, JP  
[72] Arai, Seiichi, JP  
[73] MURATA MANUFACTURING CO., LTD., JP  
[22] 1996-05-21  
[30] JP (7-121745) 1995-05-19

[11] **2,177,191**  
[13] C

[51] **Int.Cl. 6H01Q 21/00**  
[25] EN  
[54] **DUAL POLARIZATION COMMON APERTURE ARRAY FORMED BY A WAVEGUIDE-FED PLANAR SLOT ARRAY AND A LINEAR SHORT BACKFIRE ARRAY**

[54] **RESEAU A DOUBLE POLARISATION CONSTITUE D'UN RESEAU PLANAR A FENTES ALIMENTE PAR UN GUIDE D'ONDES ET D'UN RESEAU RETRODIRECTIF LINEAIRE COURT, CES DEUX DERNIERS AYANT UNE OUVERTURE COMMUNE**  
[72] Park, Pyong K., US  
[73] RAYTHEON COMPANY, US  
[22] 1996-05-23  
[30] US (08/469,831) 1995-06-06

[11] **2,177,943**  
[13] C

[51] **Int.Cl. 6F24H 4/02**

[25] EN  
[54] **HEAT PUMP HOT WATER HEATER**  
[54] **CHAUFFE-EAU A POMPE A CHALEUR**  
[72] Scire, Frank J., US  
[72] Gannaway, Edwin L., US  
[73] TECUMSEH PRODUCTS COMPANY, US  
[22] 1996-05-31  
[30] US (08/518,079) 1995-08-22

[11] **2,178,010**  
[13] C

[51] **Int.Cl. 6F16L 11/20**

[25] EN  
[54] **FLEXIBLE HOSE WITH COMPOSITE CORE**  
[54] **TUYAU SOUPLE A AME COMPOSITE**  
[72] Crisman, Chuck, US  
[72] Chudd, Russell, US  
[72] Mulvey, Philip A., US  
[73] LSP PRODUCTS GROUP, INC., US  
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[13] C

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[54] **GOMME A MACHER AROMATISEE AUX FRUITS A INTENSITE DE SAVEUR PROLONGEE**  
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[54] **APPAREIL A CHENILLES POUR VEHICULE**  
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[54] **LEVIER DE COMMANDE DE CHANGEMENT DE VITESSE AVEC RETOUR AUTOMATIQUE AU POINT NEUTRE**  
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[54] **METHOD AND APPARATUS FOR ILLUMINATION AND IMAGING OF A SURFACE**  
[54] **METHODE ET APPAREIL POUR ECLAIRER UNE SURFACE ET EN PRODUIRE UNE IMAGE**  
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[13] C

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[54] **DISPOSITIF ET PROCEDE DE REACTION POSITIVE A FAIBLE PUISSANCE**  
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[54] **APPAREIL SOUTENANT UNE PIECE A TRAVAILLER POUR UN OUTIL A COMMANDE MECANIQUE PORTATIF**  
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[54] **PROCEDE ET DISPOSITIF DE TRIAGE DE MORCEAUX DE MATERIAUX**  
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[13] C

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[54] **FORME POSOLOGIQUE SOLIDE DE CISAPRIDE, INDEPENDANTE DU PH ET A LIBERATION IMMEDIATE**  
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[54] **FRICTION WELDER HAVING AN ELECTROMAGNETIC DRIVE WHICH PRODUCES ORBITAL MOTION**  
[54] **MACHINE DE SOUDAGE PAR FRICTION AVEC MOTEUR ELECTROMAGNETIQUE A MOUVEMENT ORBITAL**  
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[54] **PATTE D'AGRAFAGE DE TISSUS MOUS**  
[72] COOPER, Joel, US  
[72] NELSON, Robert P., US  
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[72] CHAO, David YinKai, US  
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[25] EN  
[54] **APPARATUS AND METHOD FOR CLASSIFYING A MEDIUM IN A COOKING CHAMBER**  
[54] **APPAREIL ET METHODE POUR CLASSIFIER UN MILIEU DANS UNE CHAMBRE DE CUISSON**  
[72] LARRICK, Raymond, US  
[72] MAHER, Charles A., Jr., US  
[73] TRIDELTA INDUSTRIES, INC., US  
[22] 1995-03-08  
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[54] **ELECTRONIC CONTROL SYSTEM FOR A HEATING APPARATUS**  
[54] **SYSTEME DE CONTROLE ELECTRONIQUE POUR APPAREIL DE CHAUFFAGE**  
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[72] MAHER, Charles A., Jr., US  
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June 27, 1999 - July 3, 1999

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[22] 1997-12-29  
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[54] **PINCES POUR LUMIERES DE NOEL EXTERIEURES**  
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[72] TARNEY, Michael Benjamin, CA  
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[72] FREDETTE, Bernard, CA  
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[54] **ORDINATEUR HALL 9000**  
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[22] 1997-12-31  
[43] 1999-06-30

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[51] **Int.Cl. 6B25H 3/00**  
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[54] **PORTABLE GENERAL UTILITY APPARATUSES INCLUDING A POWER SOURCE AND HOUSING FOR EXTENSION CORDS**  
[54] **DISPOSITIF D'UTILITE GENERAL PORTATIF INCLUANT UN BLOC D'ALIMENTATION ET UN BOITIER POUR UNE RALLONGE ELECTRIQUE**  
[72] BREAKENRIDGE, Anthony Richard, CA  
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[72] VIEWEGER, Dale W., CA  
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HEMOGLOBIN-BASED OXYGEN  
CARRIER  
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[71] HEMOSOL INC., CA  
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[54] ENSEMBLE DE CARREAUX ET DE  
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[54] **METHODE ET INSTALLATION DE COMPOSTAGE SANS ODEUR**  
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[54] **APPARATUS FOR LIFTING OBJECTS HAVING A HOLLOW CYLINDRICAL CORE WITH REMOTE POWER-ACTUATED RELEASE**  
[54] **APPAREIL DE LEVAGE D'OBJETS A AME CYLINDRIQUE CREUSE AVEC DEGAGEMENT AUTOMATIQUE A DISTANCE**  
[72] MARGIOTTIELLO, John, CA  
[71] MARGIOTTIELLO, John, CA  
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[72] FREITAG, Gordon, CA  
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[72] WLODARSKI, Antoine, CA  
[72] SCHOOTS, Richard, CA  
[72] ORBAN, Gauthier, CA  
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[54] **METHOD AND APPARATUS FOR CONTROLLING POWER LEVEL DURING BIST**  
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[72] NADEAU-DOSTIE, Benoit, CA  
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[54] **MECANISME DE GESTION DES FLUX DE TRAVAUX DANS UN ENVIRONNEMENT SANS ETAT**  
[72] CHEN, Kangyi, CA  
[72] SINGH, Ajit, CA  
[72] CHOW, David Sing Wah, CA  
[72] ZHAND, Xiaomei, CA  
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[54] **METHODE D'ALIMENTATION DE NOEUDS DANS UN RESEAU DE COMMUNICATIONS**  
[72] BOJANIC, Alexander, CA  
[71] NORTHERN TELECOM LIMITED, CA  
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[54] **PERSIENNE ET GARNITURE DE BOUT EN PLASTIQUE**  
[72] GABRIELE, Angelo, CA  
[71] Vinylbilt Shutters Systems Inc., CA  
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[54] **TRANSPORTEUR A ROULEAUX**  
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[54] **METHODE DE LUTTE CONTRE L'EGILOPE**  
[72] ALBY, Theodore III, US  
[71] AMERICAN CYANAMID COMPANY, US  
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[54] **METHOD AND SYSTEM FOR MANAGING WELLNESS PLANS FOR A MEDICAL CARE PRACTICE**  
[54] **METHODE ET SYSTEME PERMETTANT DE GERER DES PROGRAMMES DE MIEUX-ETRE DANS LA PRATIQUE DE LA MEDECINE**  
[72] CAMPBELL, Scott Douglas, US  
[72] HOWARD, Mark, US  
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[54] **METHODE ET SYSTEME INTERACTIFS PERMETTANT DE GERER LES EXAMENS PHYSIQUES, LES DIAGNOSTICS ET LES PROTOCOLES DE TRAITEMENT DANS LA PRATIQUE DE LA MEDECINE**  
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[54] **METHODE ET COMPOSITIONS POUR LA DECORATION D'ARTICLES VITREUX A L'AIDE D'ENCREES POUVANT ETRE SECHES PAR UN RAYONNEMENT ET POSSEDANT UNE ADHESIVITE ET UNE DURABILITE AMELIOREES**  
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[54] **PLATE-FORME DE FORAGE MOBILE MULTIFONCTIONS**  
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[71] CANCOIL TECHNOLOGY CORPORATION, CA  
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[54] **ARCHITECTURE GENERALE D'UN SYSTEME A INTEGRATION DE SERVICES (ISD)**  
[72] RUSSELL, Jesse Eugene, US  
[72] MILLER, Robert Raymond II, US  
[72] WALLACE, Edward L., US  
[72] GERSZBERG, Irwin, US  
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[72] GERSZBERG, Irwin, US  
[72] WALKER, Hopeton S., US  
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[54] **SYSTEME DE RAILS POUR**  
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[72] MURRAY, Jeffery L., US  
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[25] EN  
[54] **BOWLER PUTTER WITH**  
**FORWARD PENDULAR SWING**  
[54] **FER DROIT POUR BALANCE**  
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**CHLORIDE) EXHIBITING IMPROVED**  
**LOW-TEMPERATURE FUSION**  
[54] **POLY(CHLORURE DE VINYLE) A**  
**RESISTANCE AUX CHOCS MODIFIEE**  
**POSSEDANT UNE FUSION A BASSE**  
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[72] RAPACKI, Steven Richard, US  
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[13] A1

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[25] EN  
[54] **BIOMETRIC INTERFACE DEVICE**  
**FOR UPGRADING EXISTING ACCESS**  
**CONTROL UNITS**  
[54] **INTERFACE BIOMETRIQUE**  
**AMELIORANT DES DISPOSITIFS DE**  
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[72] DiMARIA, Peter C., US  
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[13] A1

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[25] EN  
[54] **METHOD AND DEVICE FOR**  
**INFANT MALE CIRCUMCISION**  
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[54] **METHODE ET DISPOSITIF POUR**  
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[25] EN  
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**INVERTER FOR MAGNETIC AND**  
**ELECTRONIC BALLASTS**  
[54] **ONDULEUR POUR BALLASTS**  
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[13] A1

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[25] EN  
[54] **STYRENE COPOLYMER**  
**COMPOSITIONS HAVING REDUCED**  
**SURFACE GLOSS AND COMPOSITE**  
**ARTICLES INCORPORATING SAME**  
[54] **COMPOSITIONS DE**  
**COPOLYMERES DE STYRENE**  
**POSSEDANT UN BRILLANT**  
**SUPERFICIEL REDUIT ET ARTICLES**  
**COMPOSITES FABRIQUES A L'AIDE**  
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[72] MUEHLBACH, Klaus, US  
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[13] A1

[51] **Int.Cl. 6B01D 46/52**  
[25] EN  
[54] **POCKET FILTER AND METHOD**  
**AND APPARATUS FOR MAKING THE**  
**SAME**  
[54] **FILTRE-POCHE AINSI QUE**  
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[13] A1

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[25] EN  
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[54] **ARTICLE ABSORBANT EXTENSIBLE COMPRENANT UN AGENT ANTI-ADHERANT**  
[72] BURGHARDT, Dale Alan, US  
[72] BLENKE, Timothy James, US  
[72] POZNIAK, Jennifer Elizabeth, US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-10-02  
[43] 1999-06-30  
[30] US (09/002,279) 1997-12-31

[21] **2,248,563**  
[13] A1

[51] **Int.Cl. 6E21D 20/00**  
[25] EN  
[54] **FEED SHELL POSITIONING MECHANISM**  
[54] **MECANISME DE POSITIONNEMENT DE COQUILLE D'ALIMENTATION**  
[72] BIGONEY, Paul R., US  
[71] CANNON INDUSTRIES, INC., US  
[22] 1998-09-30  
[43] 1999-06-30  
[30] US (09/001,752) 1997-12-31

[21] **2,248,734**  
[13] A1

[51] **Int.Cl. 6A23L 1/16**  
[25] EN  
[54] **NOODLE PRODUCT OF THE KOAY TEOW TYPE**  
[54] **NOUILLES DE TYPE KOAY TEOW**  
[72] RUDBERG-TAMM, Marianne, SE  
[72] TOH, Tian-Seng, SG  
[72] SCOVILLE, Eugene, US  
[72] MEYER, Philipp Paul, CH  
[72] JAELMINGER, Göran, SE  
[71] SOCIÉTÉ DES PRODUITS NESTLÉ S.A., CH  
[22] 1998-10-20  
[43] 1999-06-29  
[30] EP (97204120.6) 1997-12-29

[21] **2,248,756**  
[13] A1

[51] **Int.Cl. 6C08J 9/14 6C08L 75/04**  
[25] EN  
[54] **INTEGRAL SKIN FOAMS EMPLOYING PENTAFLUOROPROPANE BLOWING AGENTS**  
[54] **MOUSSES A PEAU INTEGREE UTILISANT DES PENTAFLUOROPENTANES COMME AGENTS D'EXPANSION**  
[72] BREDESON, Elizabeth, US  
[72] VALOPPI, Valeri L., US  
[71] BASF CORPORATION, US  
[22] 1998-10-14  
[43] 1999-06-30  
[30] US (09/000,646) 1997-12-30

[21] **2,248,781**  
[13] A1

[51] **Int.Cl. 6C08J 9/14 6C08L 75/04**  
[25] EN  
[54] **A METHOD OF MAKING A LOW DENSITY, MOLDED INTEGRAL SKIN POLYURETHANE FOAM**  
[54] **METHODE DE PRODUCTION D'UNE MOUSSE A PEAU INTEGREE EN POLYURETHANE, MOULEE ET DE FAIBLE MASSE VOLUMIQUE**  
[72] VALOPPI, Valeri L., US  
[72] BREDESON, Elizabeth, US  
[71] BASF CORPORATION, US  
[22] 1998-10-14  
[43] 1999-06-30  
[30] US (09/000,742) 1997-12-30

[21] **2,248,786**  
[13] A1

[51] **Int.Cl. 6C08J 9/14 6C08L 75/04**  
[25] EN  
[54] **PENTAFLUOROPROPANE BLOWING AGENT-CONTAINING RESIN BLEND FOR USE IN MAKING INTEGRAL SKIN FOAMS**  
[54] **MELANGE DE RESINE RENFERMANT UN PENTAFLUOROPROPANE COMME AGENT D'EXPANSION, UTILISABLE POUR LA FABRICATION DE MOUSSES A PEAU INTEGREE**  
[72] BREDESON, Elizabeth, US  
[72] VALOPPI, Valeri L., US  
[71] BASF CORPORATION, US  
[22] 1998-10-14  
[43] 1999-06-30  
[30] US (09/000,770) 1997-12-30

[21] **2,249,694**  
[13] A1

[51] **Int.Cl. 6A23L 1/16**  
[25] EN  
[54] **NOODLE PRODUCT OF THE BEEHOON TYPE**  
[54] **NOUILLES DE TYPE BEEHOON**  
[72] SCOVILLE, Eugene, US  
[72] MEYER, Philipp Paul, CH  
[72] JAELMINGER, Göran, SE  
[71] SOCIÉTÉ DES PRODUITS NESTLÉ S.A., CH  
[22] 1998-10-26  
[43] 1999-06-29  
[30] EP (97204121.4) 1997-12-29

[21] **2,250,446**  
[13] A1

[51] **Int.Cl. 6A61F 2/34**  
[25] EN  
[54] **ORTHOAEDIC ASSEMBLY INCLUDING AN ACETABULAR CUP AND CUP INSERTER**  
[54] **APPAREIL ORTHOPEDIQUE COMPRENANT UNE CUPULE ACETABULAIRE ET UN DISPOSITIF D'INSERTION DE CUPULE**  
[72] SISK, Billy N., US  
[72] LANE, Richard A., US  
[72] BAYS, Rodney L., US  
[72] GILBERT, Stephen G., US  
[71] BRISTOL-MYERS SQUIBB COMPANY, US  
[22] 1998-10-14  
[43] 1999-06-30  
[30] US (09/001,214) 1997-12-30

[21] **2,250,965**  
[13] A1

[51] **Int.Cl. 6B61F 5/12**  
[25] EN  
[54] **IMPROVED FRICTION SHOE FOR FREIGHT CAR TRUCK**  
[54] **SABOT DE FRICTION AMELIORE POUR WAGON**  
[72] LAZAR, Glen F., US  
[72] BARKER, Ronald E., US  
[72] HAWTHORNE, V. Terrey, US  
[71] AMSTED INDUSTRIES INCORPORATED, US  
[22] 1998-11-05  
[43] 1999-06-29  
[30] US (08/999,084) 1997-12-29

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[21] **2,251,101**  
[13] A1

[51] **Int.Cl. 6B23D 55/06 6B27B 13/00**  
[25] EN  
[54] **BANDSAW WITH TIMING BELT BASED DRIVE ASSEMBLY AND VIBRATION DAMPING**  
[54] **SCIE A RUBAN A ENTRAÎNEMENT A COURROIE DE REGLAGE ET AMORTISSEUR DE VIBRATIONS**  
[72] HARRIS, Gerald R., US  
[71] HEM, INC., US  
[22] 1998-10-22  
[43] 1999-06-29  
[30] US (08/999,511) 1997-12-29

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[21] **2,251,146**  
[13] A1

[51] **Int.Cl. 6A23L 1/18 6B65B 3/04**  
[25] EN  
[54] **MICROWAVE POPCORN WITH COARSE SALT CRYSTALS AND METHOD OF PREPARATION**  
[54] **MAIS ECLATE AU MICRO-ONDES AVEC CRISTAUX DE GROS SEL ET METHODE DE PREPARATION**  
[72] GLASS, Brian E., US  
[71] GENERAL MILLS, INC., US  
[22] 1998-10-26  
[43] 1999-06-29  
[30] US (08/998,751) 1997-12-29

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[21] **2,252,177**  
[13] A1

[51] **Int.Cl. 6B23K 7/10 6B23K 37/02 6B23K 37/047**  
[25] EN  
[54] **METHOD AND SYSTEM FOR CUTTING HUB BORES IN RAILROAD WHEELS**  
[54] **METHODE ET SYSTEME D'ALESAGE DE MOYEURS DANS DES ROUES DE MATERIEL DE CHEMIN DE FER**  
[72] KONRARDY, Neil E., US  
[72] CHRISTIE, C. Dale, US  
[72] GRAY, Daniel H., US  
[72] VANLAAR, Brian L., US  
[71] AMSTED INDUSTRIES INCORPORATED, US  
[22] 1998-11-24  
[43] 1999-06-29  
[30] US (08/998,905) 1997-12-29

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[21] **2,252,258**  
[13] A1

[51] **Int.Cl. 6G07F 9/00 6G07F 5/00 6G07F 5/18**  
[25] EN  
[54] **PRICING CONTROL SYSTEM FOR MULTI-OPERATION VENDING MACHINES**  
[54] **SYSTEME DE CONTROLE DE PAIEMENT POUR DISTRIBUTEURS AUTOMATIQUES A FONCTIONS MULTIPLES**  
[72] OCHSNER, Douglas A., US  
[72] BROKER, John F., US  
[71] MAYTAG CORPORATION, US  
[22] 1998-10-30  
[43] 1999-06-29  
[30] US (08/998,764) 1997-12-29

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[21] **2,253,696**  
[13] A1

[51] **Int.Cl. 6B05B 1/18**  
[25] EN  
[54] **PRESSURE ACTUATED SHOWER HEAD MECHANISM**  
[54] **MECANISME DE POMME DE DOUCHE ACTIONNEE PAR PRESSION**  
[72] AMI, Ben, IL  
[72] GIL, Amos, US  
[71] BRASS-CRAFT MANUFACTURING COMPANY, US  
[22] 1998-11-09  
[43] 1999-06-29  
[30] US (08/999,326) 1997-12-29  
[30] US (09/082,990) 1998-05-22

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[21] **2,253,896**  
[13] A1

[51] **Int.Cl. 6C10M 143/00 6C10M 149/02 6C10M 145/14**  
[25] EN  
[54] **USE OF POLYMERIC SHEAR AGENTS TO MINIMIZE VARIATIONS IN VISCOSITY IN MEDIUM-SPEED DIESEL ENGINE LUBRICATING OILS**  
[54] **UTILISATION D'AGENTS DE CISAILLEMENT POLYMERES POUR REDUIRE AU MINIMUM LES VARIATIONS DE VISCOSITE D'HUILES LUBRIFIANTES POUR MOTEUR DIESEL A VITESSE MOYENNE**  
[72] SMRCKA, Nancy K., US  
[72] LOGAN, Mark Remmers, US  
[71] CHEVRON CHEMICAL COMPANY LLC, US  
[22] 1998-11-10  
[43] 1999-06-30  
[30] US (09/001,553) 1997-12-31

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[21] **2,254,207**  
[13] A1

[51] **Int.Cl. 6A47K 10/42 6B65D 83/08 6A47K 10/44**  
[25] EN  
[54] **CLIP LIFT FOR TISSUE DISPENSING SYSTEM**  
[54] **PINCE DE LEVAGE POUR DISTRIBUTEUR DE MOUTOIRS**  
[72] SUESS, Kenneth H., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-09  
[43] 1999-06-30  
[30] US (09/001,064) 1997-12-30

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[21] **2,254,227**  
[13] A1

[51] **Int.Cl. 6A47K 10/20 6B65D 83/08**  
[25] EN  
[54] **COMBINED POP-UP AND REACH-IN PAPER TISSUE DISPENSING SYSTEM**  
[54] **DISTRIBUTEUR PERMETTANT DE PRENDRE AU CHOIX UN OU PLUSIEURS MOUTOIRS**  
[72] ANDERSON, Gary V., US  
[72] BEHNKE, Janica S., US  
[72] BRAZEE, Carolyn M., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-09  
[43] 1999-06-30  
[30] US (60/070,157) 1997-12-31

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[21] **2,254,237**  
[13] A1

[51] **Int.Cl. 6D21H 17/72 6D21H 27/00 6D21H 23/24**  
[25] EN  
[54] **COOL FEELING TISSUE PRODUCT AND METHOD**  
[54] **MOUTOIR A EFFET RAFRAICHISSANT ET METHODE CONNEXE**  
[72] KRYNOCK, Lorrie L., US  
[72] HENDERSON, Cynthia W., US  
[72] KRZYSIK, Duane G., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-14  
[43] 1999-06-30  
[30] US (60/070,071) 1997-12-30  
[30] US (09/207,744) 1998-12-08

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[21] **2,254,269**  
[13] A1  
[51] **Int.Cl. 6B01F 3/06 6B05B 7/14**  
[25] EN  
[54] **DRY PARTICULATE DISPERSION SYSTEM AND FLOW CONTROL DEVICE THEREFOR**  
[54] **SYSTEME DE DISPERSION DE PARTICULES SECHES ET APPAREIL DE REGULATION DE DEBIT CONNEXE**  
[72] NUCCI, Charles D., US  
[72] CHEN, Patrick, P., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-14  
[43] 1999-06-30  
[30] US (60/070,012) 1997-12-30

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[21] **2,254,270**  
[13] A1  
[51] **Int.Cl. 6B65D 83/08 6A47K 10/42**  
[25] EN  
[54] **PORTABLE SOFT PACK FACIAL TISSUE DISPENSING SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION DE MOUCHOIRS PORTATIF A EMBALLAGE SOUPLE**  
[72] HERZBERG, John L., US  
[72] HENDERSON, Cynthia W., US  
[72] SHIFFLER, Benjamin N., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-11  
[43] 1999-06-30  
[30] US (60/070,077) 1997-12-31

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[21] **2,254,323**  
[13] A1  
[51] **Int.Cl. 6B65D 83/08 6A47K 10/42**  
[25] EN  
[54] **PORTABLE, FLEXIBLE FACIAL TISSUE DISPENSING SYSTEM FOR DISPENSING TISSUES**  
[54] **SYSTEME DE DISTRIBUTION DE MOUCHOIRS PORTATIF ET FLEXIBLE**  
[72] TUCK, Michael C., US  
[72] SAMOLINSKI, Patricia L., US  
[72] McKINNEY, Christopher R., US  
[72] HERZBERG, John L., US  
[72] HEATHCOCK, John A., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-11  
[43] 1999-06-30  
[30] US (60/070,075) 1997-12-31

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[21] **2,254,328**  
[13] A1  
[51] **Int.Cl. 6B31F 1/07**  
[25] EN  
[54] **METHOD AND APPARATUS FOR EMBOSSING WEB MATERIAL USING AN EMBOSSING SURFACE WITH OFF-CENTERED SHOULDERS**  
[54] **METHODE ET APPAREIL POUR LE GAUFRAGE DE MATERIAU EN BANDE AU MOYEN D'UNE SURFACE DE GAUFRAGE A EPAULEMENT DECENTRE**  
[72] BURGESS, William H., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-11  
[43] 1999-06-30  
[30] US (09/000,535) 1997-12-30

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[21] **2,254,424**  
[13] A1  
[51] **Int.Cl. 6E03D 9/03**  
[25] EN  
[54] **TOILET CLEANER CONTROLLER DEVICE**  
[54] **DISPOSITIF DE COMMANDE DE NETTOYAGE DE TOILETTES**  
[72] RIVERA, Moises Ramos, US  
[71] RIVERA, Moises Ramos, US  
[22] 1998-11-24  
[43] 1999-06-30  
[30] US (001,237) 1997-12-30

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[21] **2,254,485**  
[13] A1  
[51] **Int.Cl. 6B01D 3/30 6B01D 53/18**  
[25] EN  
[54] **GAS AND LIQUID CONTACT APPARATUS**  
[54] **APPAREIL DE CONTACT GAZ-LIQUIDE**  
[72] SCHIFFTNER, Kenneth C., US  
[71] SCHIFFTNER, Kenneth C., US  
[22] 1998-11-24  
[43] 1999-06-29  
[30] US (08/999,253) 1997-12-29

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[21] **2,254,500**  
[13] A1  
[51] **Int.Cl. 6F02M 33/02 6B60K 15/035**  
[25] EN  
[54] **EVAPORATIVE EMISSION CONTROL SYSTEM FOR PROVIDING FUEL VAPOR TO AUTOMOTIVE ENGINE**  
[54] **SYSTEME DE LIMITATION DES EMISSIONS DE VAPEUR POUR L'ALIMENTATION EN VAPEUR DE CARBURANT D'UN MOTEUR D'AUTOMOBILE**  
[72] VYKYDAL, Marianne L., US  
[72] JAMROG, James R., US  
[72] WASKIEWICZ, David, US  
[71] FORD GLOBAL TECHNOLOGIES, INC., US  
[22] 1998-11-25  
[43] 1999-06-29  
[30] US (08/998,637) 1997-12-29

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[21] **2,254,573**  
[13] A1  
[51] **Int.Cl. 6H04L 12/56**  
[25] EN  
[54] **FRAME RELAY-TO-ATM INTERFACE CIRCUIT AND METHOD OF OPERATION**  
[54] **CIRCUIT ET METHODE DE FONCTIONNEMENT D'UNE INTERFACE ENTRE RELAIS DE TRAMES ET CIRCUIT ATM**  
[72] VON AHNEN, Michael J., US  
[72] SREEDHARAN, Sreejith, US  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[22] 1998-11-26  
[43] 1999-06-30  
[30] US (09/002,043) 1997-12-31

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[21] **2,254,751**  
[13] A1  
[51] **Int.Cl. 6E04F 19/02 6E04C 2/10**  
[25] EN  
[54] **METHOD OF FABRICATING A STYROFOAM BUILDING MATERIAL AND A STYROFOAM BUILDING MATERIAL**  
[54] **METHODE DE FABRICATION D'UN MATERIAU DE CONSTRUCTION EN STYROMOUSSE ET MATERIAU DE CONSTRUCTION EN STYROMOUSSE**  
[72] KUHNEN, John, CA  
[71] KUHNEN, John, CA  
[22] 1998-12-01  
[43] 1999-07-03

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[21] **2,255,137**  
[13] A1

[51] **Int.Cl. 6B65G 17/32 6B65G 35/08**  
[25] EN  
[54] **METHOD AND APPARATUS FOR REDUCING NOISE GENERATED BY THE ACCUMULATION OF CARRIERS IN A CONVEYOR SYSTEM**  
[54] **METHODE ET APPAREIL DE REDUCTION DU BRUIT CAUSE PAR L'ENTASSEMENT DE TRANSPORTEURS D'UN CONVOYEUR**  
[72] KUBSIK, Robert H., US  
[72] MCDONALD, Clayton C., US  
[71] JERVIS B. WEBB COMPANY, US  
[22] 1998-12-03  
[43] 1999-06-29  
[30] US (08/998,646) 1997-12-29

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[21] **2,255,174**  
[13] A1

[51] **Int.Cl. 6H04L 12/16**  
[25] EN  
[54] **SYSTEM AND METHOD FOR COMMUNICATING DATA**  
[54] **SYSTEME ET METHODE DE TRANSMISSION DE DONNEES**  
[72] HAMLIN, James K., US  
[71] FALK INTEGRATED TECHNOLOGIES, INC., US  
[22] 1998-12-03  
[43] 1999-06-30  
[30] US (09/000,751) 1997-12-30

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[21] **2,255,202**  
[13] A1

[51] **Int.Cl. 6A61K 31/70 6A61K 9/06 6A61K 9/08**  
[25] FR  
[54] **UTILISATION DE LA FLAVINE-ADENINE-DINUCLEOTIDE POUR LA PREPARATION DE COMPOSITIONS OPHTALMIQUES UTILES POUR LE TRAITEMENT DE L'OEIL SEC**  
[54] **USE OF FLAVIN ADENINE DINUCLEOTIDE IN THE PREPARATION OF OPHTHALMIC FORMULATIONS FOR THE TREATMENT OF DRY EYE**  
[72] LATOUR, Elisabeth, FR  
[72] COQUELET, Claude, FR  
[71] LABORATOIRE CHAUVIN S.A., FR  
[22] 1998-12-21  
[43] 1999-06-29  
[30] FR (97 16 639) 1997-12-29

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[21] **2,255,217**  
[13] A1

[51] **Int.Cl. 6D21H 21/22 6D21F 11/02 6D21H 23/04 6D21F 11/14 6D21H 21/20 6D21H 23/28**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MAKING A SOFTER, MORE ABSORBENT NO PRESS, NO CREPE TOWEL**  
[54] **METHODE ET APPAREIL POUR LA FABRICATION D'UNE SERVIETTE DE CREPE PLUS DOUCE ET PLUS ABSORBANTE**  
[72] ANDERSON, Ralph L., US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 1998-12-21  
[43] 1999-06-30  
[30] US (60/070,079) 1997-12-31  
[30] US (09/207,645) 1998-12-08

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[21] **2,255,225**  
[13] A1

[51] **Int.Cl. 6G01R 27/26**  
[25] EN  
[54] **CAPACITANCE MEASURING CIRCUIT FOR A CAPACITIVE SENSOR**  
[54] **CIRCUIT DE MESURE DE CAPACITE DES CAPTEURS CAPACITIFS**  
[72] TARDIF, Bruno, CA  
[72] PRONOVOST, Jean, CA  
[71] VIBROSYSTEM INC., CA  
[22] 1998-12-15  
[43] 1999-06-30  
[30] CA (2,224,536) 1997-12-30

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[21] **2,255,311**  
[13] A1

[51] **Int.Cl. 6H04M 15/00 6H04M 15/10**  
[25] EN  
[54] **METHOD AND APPARATUS FOR REAL-TIME BILLING ACCOUNT QUERY**  
[54] **METHODE ET APPAREIL POUR INTERROGATIONS EN TEMPS REEL EN MATIERE DE FACTURATION ET DE COMPTE**  
[72] LAD, Raman, US  
[72] D'INGIANNI, Rita, US  
[72] SON-HING, Lester, US  
[72] CAMERON, Garnet, US  
[72] SHAH, Nimesh, US  
[72] ADAMS, Rodney Glen, US  
[71] NORTHERN TELECOM LIMITED, CA  
[22] 1998-12-09  
[43] 1999-06-30  
[30] US (09/000,756) 1997-12-30

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[21] **2,255,316**  
[13] A1

[51] **Int.Cl. 6H04M 11/00 6H04L 12/28 6H04M 3/46**  
[25] EN  
[54] **SUSTAINED CALL ANNOUNCE**  
[54] **AFFICHAGE ET TRANSFERT DE MESSAGES TELEPHONIQUES MIS EN MEMOIRE**  
[72] ST. AMOUR, Hélène, CA  
[72] PINARD, Deborah L., CA  
[71] MITEL CORPORATION, CA  
[22] 1998-12-10  
[43] 1999-06-29  
[30] GB (9727407.0) 1997-12-29

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[21] **2,255,352**  
[13] A1

[51] **Int.Cl. 6H04B 3/60 6H04Q 7/00 6H04B 7/26 6H04M 3/54**  
[25] EN  
[54] **ENHANCED LOCATING AND COMMUNICATION SERVICE**  
[54] **SYSTEME DE LOCALISATION ET DE COMMUNICATION AMELIORE**  
[72] ALONSO, Tirso M., US  
[72] BEGEJA, Lee, US  
[72] BANSAL, Pradeep K., US  
[71] AT&T CORP., US  
[22] 1998-12-09  
[43] 1999-06-29  
[30] US (08/998,959) 1997-12-29

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[21] **2,255,357**  
[13] A1

[51] **Int.Cl. 6A45F 3/10 6A45C 13/04**  
[25] EN  
[54] **BELT PACK**  
[54] **SAC DE CEINTURE**  
[72] MILLER, D. Scott, US  
[71] DART INDUSTRIES INC., US  
[22] 1998-12-09  
[43] 1999-06-30  
[30] US (09/001,810) 1997-12-31

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[21] **2,255,367**  
[13] A1  
[51] **Int.Cl. 6F24H 1/18 6F24H 9/02**  
[25] EN  
[54] **WATER HEATER CONSTRUCTION AND FABRICATION METHOD THEREFOR**  
[54] **FABRICATION DE CHAUFFE-EAU ET METHODE DE FABRICATION CONNEXE**  
[72] TERWILLIGER, R. James, US  
[72] VAGO, Otto Z., US  
[72] SHIPPY, Gordon D., US  
[71] STATE INDUSTRIES, INC., US  
[22] 1998-12-09  
[43] 1999-06-30  
[30] US (000,503) 1997-12-30

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[21] **2,255,381**  
[13] A1  
[51] **Int.Cl. 6C08L 75/04 6C09K 9/02 6C08K 5/15 6C08K 5/35 6C08G 18/65 6C08G 18/73**  
[25] EN  
[54] **PHOTOCHROMIC POLYURETHANE**  
[54] **POLYURETHANE PHOTOCROME**  
[72] ROSTHAUSER, James W., US  
[72] HAIDER, Karl W., US  
[72] KRISHNAN, Sivaram, US  
[72] RIECK, James N., US  
[71] BAYER CORPORATION, US  
[22] 1998-12-04  
[43] 1999-06-29  
[30] US (08/999,217) 1997-12-29

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[21] **2,255,391**  
[13] A1  
[51] **Int.Cl. 6H01H 33/52**  
[25] EN  
[54] **DISCONNECT FEATURE FOR INTERRUPTER**  
[54] **MECANISME DE DEBRANCHEMENT POUR INTERRUPTEUR**  
[72] OPFER, John C., US  
[72] ESTEY, John W., US  
[71] S&C ELECTRIC COMPANY, US  
[22] 1998-12-09  
[43] 1999-06-29  
[30] US (08/999,078) 1997-12-29

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[21] **2,255,416**  
[13] A1  
[51] **Int.Cl. 6H04L 12/54**  
[25] EN  
[54] **LOCAL AREA NETWORK MEDIA ACCESS CONTROLLER LAYER BRIDGE**  
[54] **PONT A COUCHE CONTROLE D'ACCES AUX SUPPORTS DE RESEAU LOCAL**  
[72] CASWELL, Dougl's C., US  
[72] HISCOCK, James Scott, US  
[72] SCHWARTZ, Norman Stephen, US  
[71] 3COM CORPORATION, US  
[22] 1998-12-11  
[43] 1999-06-29  
[30] US (999,482) 1997-12-29

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[21] **2,255,443**  
[13] A1  
[51] **Int.Cl. 6H02B 1/14**  
[25] EN  
[54] **REMOTE POWER INLET BOX FOR AN AUXILIARY POWER SUPPLY SYSTEM**  
[54] **BOITE D'ENTREE D'ELECTRICITE A DISTANCE POUR SYSTEME D'ALIMENTATION AUXILIAIRE**  
[72] FLEGEL, David D., US  
[71] RELIANCE TIME CONTROLS, INC., US  
[22] 1998-12-07  
[43] 1999-06-30  
[30] US (09/002,229) 1997-12-31

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[21] **2,255,461**  
[13] A1  
[51] **Int.Cl. 6H04M 1/00 6H04M 1/72**  
[25] EN  
[54] **A CIRCUIT TO PROVIDE BACKUP TELEPHONE SERVICE FOR A MULTIPLE SERVICE ACCESS SYSTEM USING A TWISTED PAIR**  
[54] **CIRCUIT FOURNISSANT UN SERVICE TELEPHONIQUE DE RELEVÉ DANS UN SYSTEME D'ACCES MULTISERVICE A PAIRE TORSADÉE**  
[72] GERSZBERG, Irwin, US  
[72] BARZEGAR, Farhad, US  
[72] TREVENTI, Philip Andrew, US  
[71] AT&T CORP., US  
[22] 1998-12-10  
[43] 1999-06-30  
[30] US (09/001,343) 1997-12-31

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[21] **2,255,490**  
[13] A1  
[51] **Int.Cl. 6B27K 5/00 6B27K 3/52**  
[25] EN  
[54] **VINYL UNDERLAY PANEL**  
[54] **PANNEAU DE SOUS-COUCHE EN VINYLE**  
[72] KNUDSON, Robert Marius, CA  
[72] GNATOWSKI, Marek Jan, CA  
[72] CZYZEWSKA, Ewa Krystyna, CA  
[71] MacMILLAN BLOEDEL LIMITED, CA  
[22] 1998-12-11  
[43] 1999-06-29  
[30] US (08/998,974) 1997-12-29

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[21] **2,255,544**  
[13] A1  
[51] **Int.Cl. 6G07B 17/02 6G06F 3/023**  
[25] EN  
[54] **POSTAL SECURITY DEVICE WITH COMPUTER KEYBOARD INTERFACE**  
[54] **INTERFACE ENTRE DISPOSITIF DE SECURITE POSTALE ET CLAVIER D'ORDINATEUR**  
[72] ROZUM, Andrew L., Jr., US  
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[22] 1998-12-14  
[43] 1999-06-30  
[30] US (09/000,810) 1997-12-30

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[13] A1  
[51] **Int.Cl. 6B41F 9/16**  
[25] EN  
[54] **PROCESS FOR PRODUCING A FRESH WIPING SOLUTION AND FOR TREATING A USED SOLUTION AND APPARATUS FOR CARRYING OUT THE PROCESS**  
[54] **PROCEDE DE PRODUCTION D'UNE SOLUTION D'ESSUYAGE FRAICHE ET DE TRAITEMENT D'UNE SOLUTION USEE, ET APPAREIL POUR MENER A BIEN CE PROCEDE**  
[72] MARTINI, Giacomo, IT  
[71] DE LA RUE GIORI, S.A., CH  
[22] 1998-12-14  
[43] 1999-06-30  
[30] IT (MI97A02906) 1997-12-31

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[21] **2,255,969**  
[13] A1

[51] **Int.Cl. 6A47K 7/00 6G05B 24/02 6E03C 1/05 6A47K 5/06 6A47K 10/24 6G05B 19/418**

[25] EN

[54] **METHOD AND APPARATUS FOR PROPERLY SEQUENCED HAND WASHING**

[54] **METHODE ET APPAREIL DE SEQUENCEMENT DU LAVAGE A LA MAIN**

[72] VUONG, Nhon T., US

[72] SIPPEL, Mark J., US

[72] GAUTHIER, Jerome M., US

[71] SLOAN VALVE COMPANY, US

[22] 1998-12-14

[43] 1999-06-30

[30] US (09/001,736) 1997-12-31

[21] **2,255,995**  
[13] A1

[51] **Int.Cl. 6G05B 19/042 6E03C 1/05**

[25] EN

[54] **CONTROL BOARD FOR CONTROLLING AND MONITORING USAGE OF WATER**

[54] **CARTE DE COMMANDE ET DE CONTR-LE DE L'UTILISATION D'EAU**

[72] GAUTHIER, Jerome M., US

[72] SIPPEL, Mark J., US

[72] VUONG, Nhon T., US

[71] SLOAN VALVE COMPANY, US

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[43] 1999-06-30

[30] US (09/001,804) 1997-12-31

[21] **2,255,997**  
[13] A1

[51] **Int.Cl. 6E03C 1/05 6G05B 19/418**

[25] EN

[54] **NETWORK SOFTWARE FOR A PLUMBING CONTROL SYSTEM**

[54] **LOGICIEL RESEAU POUR SYSTEME DE COMMANDE DE PLOMBERIE**

[72] SIPPEL, Mark J., US

[72] VUONG, Nhon T., US

[72] GAUTHIER, Jerome M., US

[71] SLOAN VALVE COMPANY, US

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[43] 1999-06-30

[30] US (09/002,159) 1997-12-31

[21] **2,256,002**  
[13] A1

[51] **Int.Cl. 6C07D 501/00 6A61K 31/545**

[25] EN

[54] **7-BROMO- AND 7,7-DIBROMO-CEPHAM AND CEPHEM DERIVATIVES**

[54] **DERIVES DE 7-BROMO- ET DE 7,7-DIBROMO-CEPHAM ET DE 7-BROMO- ET DE 7,7-DIBROMO-CEPHEM**

[72] LUKIC, Irena, HR

[71] PLIVA FARMACEUTSKA, KEMIJSKA, PREHRAMBENA I KOZMETICKA INDUSTRIJA, DIONI, HR

[22] 1998-12-29

[43] 1999-06-30

[30] HR (P970713A) 1997-12-30

[21] **2,256,017**  
[13] A1

[51] **Int.Cl. 6C07H 17/00 6A61K 31/70**

[25] EN

[54] **.BETA.,.BETA.-DISUBSTITUTED DERIVATIVES OF 9-DEOXO-9A-N-ETHENYL-9A-AZA-9A-HOMOERYTHROMYCIN A**

[54] **DERIVES DISUBSTITUES EN .BETA., .BETA. DE 9-DESOXO-9A-N-ETHENYL-9A-AZA-9A-HOMOERYTHROMYCINE A**

[72] LAZAREVSKI, Gorjana, HR

[72] KELNERIC, Zeljko, HR

[72] KUJUNDZIC, Nedjeljko, HR

[72] KOBREHEL, Gabrijela, HR

[72] PAVLOVIC, Dina, HR

[71] PLIVA FARMACEUTSKA, KEMIJSKA, PREHRAMBENA I KOZMETICKA INDUSTRIJA, DIONI, HR

[22] 1998-12-29

[43] 1999-06-30

[30] HR (P970714A) 1997-12-31

[21] **2,256,043**  
[13] A1

[51] **Int.Cl. 6H04L 7/04 6H04B 7/212**

[25] EN

[54] **METHOD FOR INCREASING THE RANGE OF A RADIOCOMMUNICATIONS UNIT AND UNIT FOR CARRYING OUT THE METHOD**

[54] **METHODE ET DISPOSITIF PERMETTANT D'AUGMENTER LA DISTANCE ENTRE APPAREILS DE RADIOCOMMUNICATIONS**

[72] ALONSO BORREGO, Lorenzo, ES

[71] ALCATEL, FR

[22] 1998-12-23

[43] 1999-06-30

[30] ES (9702725) 1997-12-30

[21] **2,256,062**  
[13] A1

[51] **Int.Cl. 6A61K 7/043 6A61K 7/42**

[25] FR

[54] **COMPOSITION COSMETIQUE DE VERNIS A BASE DE NITROCELLULOSE CONTENANT UN AGENT STABILISANT**

[54] **COSMETIC FORMULATION FOR NAIL POLISH WITH A NITROCELLULOSE BASE AND CONTAINING A STABILIZING AGENT**

[72] RAMIN, Roland, FR

[72] FRANKFURT, Chris, US

[71] L'OREAL, FR

[22] 1998-12-23

[43] 1999-06-29

[30] FR (97 16 626) 1997-12-29

[21] **2,256,065**  
[13] A1

[51] **Int.Cl. 6A61K 7/032 6A61K 7/06**

[25] FR

[54] **MASCARA COMPRENANT UN MELANGE DE CIRES DURES ET DE POLYMERES FILMOGENES**

[54] **MASCARA CONTAINING A MIXTURE OF HARD WAXES AND A FILM-FORMING POLYMER**

[72] BODELIN-LECOMTE, Sophie, FR

[72] DEBERT, Danièle, FR

[72] PIOT, Bertrand, FR

[71] L'OREAL, FR

[22] 1998-12-29

[43] 1999-06-30

[30] FR (97 16 806) 1997-12-31

[21] **2,256,067**  
[13] A1

[51] **Int.Cl. 6H03M 1/18 6H03M 1/10**

[25] EN

[54] **QUANTIZER THAT USES OPTIMUM DECISION THRESHOLDS**

[54] **QUANTIFICATEUR UTILISANT DES SEUILS DE DECISION OPTIMAUX**

[72] PRODAN, Rich S., US

[72] CHELEHMAL, Majid, US

[71] CABLE TELEVISION LABORATORIES, INC., US

[22] 1998-12-29

[43] 1999-06-30

[30] US (60/070,065) 1997-12-30

[30] US (09/061,510) 1998-04-16

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[21] **2,256,080**  
[13] A1  
[51] **Int.Cl. 6A61K 7/42 6A61K 7/021 6A61K 7/043**  
[25] FR  
[54] **UTILISATION D'UN SOLVANT POLYFLUORE VOLATIL, EN TANT QU'AGENT ACCELERATEUR DE SECHAGE, DANS DES PRODUITS COSMETIQUES**  
[54] **USE OF A VOLATILE, POLYFLUORINATED SOLVENT AS A DRYING ACCELERATOR IN COSMETIC PRODUCTS**  
[72] BARA, Isabelle, FR  
[71] L'OREAL, FR  
[22] 1998-12-24  
[43] 1999-06-29  
[30] FR (97 16 628) 1997-12-29  
[30] FR (98 08 338) 1998-06-30

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[21] **2,256,081**  
[13] A1  
[51] **Int.Cl. 6A61K 7/42 6A61K 7/021**  
[25] FR  
[54] **UTILISATION D'UN SOLVANT POLYFLUORE VOLATIL, EN TANT QU'AGENT ANTI-TRANSFERT, DANS DES PRODUITS COSMETIQUES**  
[54] **USE OF A VOLATILE, POLYFLUORINATED SOLVENT AS AN ANTI-TRANSFER AGENT IN COSMETIC PRODUCTS**  
[72] BARA, Isabelle, FR  
[71] L'OREAL, FR  
[22] 1998-12-24  
[43] 1999-06-29  
[30] FR (97 16 628) 1997-12-29  
[30] FR (98 08 337) 1998-06-30

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[21] **2,256,082**  
[13] A1  
[51] **Int.Cl. 6G01N 21/64 6G01N 1/38**  
[25] FR  
[54] **PROCEDE DE DETECTION ET DE CARACTERISATION D'HYDROCARBURES DE FORMATION**  
[54] **PROCEDURE FOR THE DETECTION AND CHARACTERIZATION OF HYDROCARBONS IN FORMATIONS**  
[72] BOEHM, Claudine, FR  
[72] BERRUT, Jean-Bernard, FR  
[71] ELF EXPLORATION PRODUCTION, FR  
[22] 1998-12-29  
[43] 1999-06-30  
[30] FR ( 97 16 711) 1997-12-30

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[13] A1  
[51] **Int.Cl. 6C08F 2/00 6C08F 4/00 6C08F 287/00 6C08F 297/00**  
[25] FR  
[54] **PROCEDE DE POLYMERISATION RADICALAIRE CONTROLEE FAISANT INTERVENIR UNE FAIBLE QUANTITE DE RADICAL LIBRE STABLE**  
[54] **PROCESS OF CONTROLLED RADICAL POLYMERIZATION INVOLVING A SMALL QUANTITY OF STABLE FREE RADICAL**  
[72] BERTIN, Denis, FR  
[71] ELF ATOCHEM S.A., FR  
[22] 1998-12-29  
[43] 1999-06-30  
[30] FR (97 16 690) 1997-12-30

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[21] **2,256,084**  
[13] A1  
[51] **Int.Cl. 6B60T 7/16 6B60T 7/20**  
[25] EN  
[54] **BRAKING APPARATUS FOR TOWED VEHICLES**  
[54] **DISPOSITIF DE FREINAGE POUR VEHICULES TRACTES**  
[72] SPRINGER, William O., US  
[72] GROVE, Clinton E., US  
[72] GROVE, Robert D., US  
[71] SPRINGER FAMILY PATENTS LIMITED PARTNERSHIP, US  
[71] COSMOS ENTERPRISES, INC., US  
[22] 1998-12-30  
[43] 1999-06-30  
[30] US (09/000,679) 1997-12-30

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[21] **2,256,107**  
[13] A1  
[51] **Int.Cl. 6H02J 9/00 6H02M 7/02**  
[25] EN  
[54] **ELECTRIC POWER DISTRIBUTION SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION D'ELECTRICITE**  
[72] DE LA CRUZ MORENO, Enrique, ES  
[72] VAZQUEZ LOPEZ, Manuel, ES  
[72] OLLERO VELASCO, Salvador, ES  
[72] ARA GOMEZ, Javier, ES  
[72] FONTAN TARODO, Antonio, ES  
[71] ALCATEL, FR  
[22] 1998-12-22  
[43] 1999-06-29  
[30] ES (9702714) 1997-12-29

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[21] **2,256,122**  
[13] A1  
[51] **Int.Cl. 6H04L 1/24 6H04B 10/08**  
[25] EN  
[54] **DEVICE AND METHOD FOR DETECTING AND/OR MEASURING THE MISCONNECTION TIME IN TELECOMMUNICATION NETWORKS**  
[54] **DISPOSITIF ET METHODE PERMETTANT DE DETECTER ET/OU MESURER LA DUREE DES ERREURS DE CONNEXION DANS LES RESEAUX DE TELECOMMUNICATIONS**  
[72] BIANCHI, Lucia, IT  
[72] COLIZZI, Ernesto, IT  
[71] ALCATEL, FR  
[22] 1998-12-30  
[43] 1999-06-30  
[30] IT (TO 97A 001152) 1997-12-31

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[21] **2,256,163**  
[13] A1  
[51] **Int.Cl. 6B01F 15/04**  
[25] FR  
[54] **PROCEDE DE FABRICATION D'UN MELANGE DE PRODUITS COMPORTANT UNE ETAPE DE FORMULATION OPTIMALE**  
[54] **PROCEDURE FOR THE MANUFACTURE OF A MIXTURE OF PRODUCTS COMPRISING AN OPTIMAL FORMULATION STAGE**  
[72] VALENTIN, Patrick, FR  
[72] MALIVERT, Christian, FR  
[72] ARMAND, Paul, FR  
[71] ELF ANTAR FRANCE, FR  
[22] 1998-12-29  
[43] 1999-06-30  
[30] FR (97 16 712) 1997-12-30

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[21] **2,256,245**  
[13] A1  
[51] **Int.Cl. 6A61L 9/12 6F24F 3/16**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR REMOVING ODOR FROM ANIMAL CONFINEMENT BUILDINGS**  
[54] **PROCESSUS ET DISPOSITIF POUR L'ENLEVEMENT D'ODEURS DANS DES LOGEMENTS D'ANIMAUX EN BATIMENT CLOS**  
[72] POTEAT, Jere, US  
[71] INNOVENTOR ENGINEERING, INC., US  
[22] 1998-12-16  
[43] 1999-07-02  
[30] US (09/002,459) 1998-01-02

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[13] A1

[51] **Int.Cl. 6F21V 19/00 6F21V 23/06**  
[25] EN  
[54] **SNAP-IN LAMPHOLDER WITH INSULATION DISPLACEMENT CONTACTS**  
[54] **DOUILLE ~ ENCLENCHEMENT RAPIDE MUNIE DE CONTACTS AUTODENUDANTS**  
[72] ENDRES, Paul, US  
[71] LEVITON MANUFACTURING CO., INC., US  
[22] 1998-12-18  
[43] 1999-06-30  
[30] US (09/001,711) 1997-12-31

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[21] **2,256,585**  
[13] A1

[51] **Int.Cl. 6G02B 6/36**  
[25] EN  
[54] **STRUCTURE FOR CONNECTING OPTICAL FIBERS TO OPTICAL WAVEGUIDE**  
[54] **MOYEN DE CONNEXION DE FIBRES OPTIQUES A UN GUIDE-D'ONDES OPTIQUE**  
[72] LEE, Hyung-jae, KR  
[72] YOU, Byong-gwon, KR  
[72] LEE, Yeong-gyu, KR  
[72] RHEE, Tae-hyung, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[22] 1998-12-18  
[43] 1999-06-30  
[30] KR (97-82056) 1997-12-31

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[21] **2,256,640**  
[13] A1

[51] **Int.Cl. 6H04Q 3/00 6H04M 11/06 6H04B 3/50 6H04L 12/64**  
[25] EN  
[54] **HYBRID FIBER TWISTED PAIR LOCAL LOOP NETWORK SERVICE ARCHITECTURE**  
[54] **ARCHITECTURE DE SERVICES DE RESEAU DE CIRCUITS LOCAUX HYBRIDES A PAIRE TORSADÉE ET A FIBRES**  
[72] GERSZBERG, Irwin, US  
[72] RUSSELL, Jesse Eugene, US  
[72] ROMAIN, Dennis Matthew, US  
[72] MILLER, Robert Raymond II, US  
[72] TREVENTI, Philip Andrew, US  
[71] AT&T CORP., US  
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[30] US (09/001,360) 1997-12-31

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[13] A1

[51] **Int.Cl. 6G01N 27/04 6G01N 27/12**  
[25] EN  
[54] **PORTABLE HAY BALE MOISTURE TESTER**  
[54] **DISPOSITIF PORTATIF POUR LE DOSAGE DE L'HUMIDITÉ DANS LES BOTTES DE FOIN**  
[72] McMAHON, Michael, US  
[71] FARMEX INC., US  
[22] 1998-12-21  
[43] 1999-06-30  
[30] US (09/000,747) 1997-12-30

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[21] **2,256,814**  
[13] A1

[51] **Int.Cl. 6H04M 11/06 6H04M 3/02 6H04L 12/12 6H04M 7/14**  
[25] EN  
[54] **A MULTIFUNCTION INTERFACE FACILITY CONNECTING WIDEBAND MULTIPLE ACCESS SUBSCRIBER LOOPS WITH VARIOUS NETWORKS**  
[54] **INTERFACE MULTIFONCTION CONNECTANT DES BOUCLES D'ABONNÉ A ACCÈS MULTIPLES EN LARGE BANDE A DIVERS RESEAUX**  
[72] BARZEGAR, Farhad, US  
[72] TREVENTI, Philip Andrew, US  
[72] GERSZBERG, Irwin, US  
[71] AT&T CORP., US  
[22] 1998-12-21  
[43] 1999-06-30  
[30] US (09/001,422) 1997-12-31

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[21] **2,256,815**  
[13] A1

[51] **Int.Cl. 6F16H 59/00 6F16D 48/06**  
[25] EN  
[54] **INTEGRATED TRANSMISSION AND MULTIPLE SPEED AXLE SHIFTING APPARATUS**  
[54] **SYSTEME INTEGRE DE TRANSMISSION ET DE CHANGEMENT DE VITESSE**  
[72] JONES, Charles R., US  
[71] DANA CORPORATION, US  
[22] 1998-12-18  
[43] 1999-06-30  
[30] US (09/002,277) 1997-12-31

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[21] **2,256,817**  
[13] A1

[51] **Int.Cl. 6H04L 12/24 6H04Q 3/00 6H04L 9/32**  
[25] EN  
[54] **A NETWORK SERVER PLATFORM FOR A HYBRID FIBER TWISTED PAIR LOOP NETWORK SERVICE ARCHITECTURE**  
[54] **PLATE-FORME DE SERVEUR DE RESEAU POUR L'ARCHITECTURE DE SERVICES DE RESEAU EN BOUCLE HYBRIDE A PAIRE TORSADÉE ET A FIBRES**  
[72] KWABI, Christopher K., US  
[72] HUANG, Kenny Xiaojian, US  
[72] ROY, Sumit, US  
[72] GERSZBERG, Irwin, US  
[71] AT&T CORP., US  
[22] 1998-12-21  
[43] 1999-06-30  
[30] US (09/001,582) 1997-12-31

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[21] **2,256,819**  
[13] A1

[51] **Int.Cl. 6H04M 1/64 6H04Q 7/06**  
[25] EN  
[54] **METHOD AND SYSTEM FOR REMOTE ANSWER OF A TELEPHONE CALL**  
[54] **METHODE ET SYSTEME POUR TRANSFERER UN APPEL TELEPHONIQUE A UN AUTRE ABONNE**  
[72] INFOSINO, William J., US  
[71] AT&T CORP., US  
[22] 1998-12-21  
[43] 1999-06-30  
[30] US (09/001,203) 1997-12-30

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[21] **2,256,834**  
[13] A1

[51] **Int.Cl. 6H01B 13/02 6G02B 6/16**  
[25] EN  
[54] **MACHINE FOR USE IN THE MANUFACTURE OF FIBER OPTIC CABLES**  
[54] **MACHINE UTILISEE POUR FABRIQUER DES CABLES OPTIQUES**  
[72] NELSON, Derwin A., US  
[72] MCALPINE, Warren W., US  
[72] MAST, Stephen O., US  
[71] SIECOR OPERATIONS, LLC, US  
[22] 1998-12-18  
[43] 1999-06-30  
[30] US (09/002,158) 1997-12-31

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[21] **2,256,839**  
[13] A1

[51] **Int.Cl. 6G02B 6/16**  
[25] EN  
[54] **PHOTOINITIATOR-TUNED OPTICAL FIBER AND OPTICAL FIBER RIBBON AND METHOD OF MAKING THE SAME**  
[54] **FIBRE OPTIQUE ACCORDEE PAR PHOTOAMORCEUR ET RUBAN OPTIQUE ET METHODE DE FABRICATION CONNEXE**  
[72] MOORJANI, Shail, US  
[72] MILLS, Gregory A., US  
[71] SIECOR OPERATIONS, LLC, US  
[22] 1998-12-18  
[43] 1999-06-30  
[30] US (09/001,680) 1997-12-31

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[21] **2,256,905**  
[13] A1

[51] **Int.Cl. 6B65H 75/38 6H02G 11/02 6B65H 75/48**  
[25] EN  
[54] **PATCH PANEL WITH RETRACTABLE PATCH CORD**  
[54] **PANNEAU DE RACCORDEMENT AVEC CORDON RETRACTABLE**  
[72] LORSCHIEDER, Jörg, US  
[72] ZALESKY, Dean R., US  
[72] LOTINSKY, Peter J., US  
[71] KRONE AKTIENGESELLSCHAFT, DE  
[22] 1998-12-22  
[43] 1999-06-30  
[30] US (09/001,914) 1997-12-31

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[21] **2,256,926**  
[13] A1

[51] **Int.Cl. 6G02F 1/035**  
[25] EN  
[54] **TUNABLE CHIRPED FIBER GRATING DEVICE AND METHOD FOR FORMING CHIRPED FIBER GRATING**  
[54] **DISPOSITIF A RESEAU DE FIBRES COMPRIMEES ACCORDABLE ET METHODE DE FABRICATION DE RESEAU DE FIBRES COMPRIMEES**  
[72] PARK, Moo-youn, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
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[54] **CABLE OPTIQUE**  
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[72] RAWLYK, Michael G., US  
[72] MARION, Charles D., US  
[71] SIECOR OPERATIONS, LLC, US  
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[54] **PUBLICITE PAR DETECTION DE MOUVEMENT**  
[72] WALKER, Hopeton S., US  
[72] MARTIN, Jeffrey S., US  
[72] GERSZBERG, Irwin, US  
[71] AT&T CORP., US  
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[13] A1

[51] **Int.Cl. 6C25C 1/00 6C25C 7/00 6C25C 1/20**  
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[54] **CELLULE D'EXTRACTION ELECTROLYTIQUE**  
[72] CARTNER, William Norman, ZA  
[71] KEMIX (PROPRIETARY) LIMITED, ZA  
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[51] **Int.Cl. 6G06F 17/60**  
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[54] **SYSDME DE GESTION DE TRANCHES HORAIRES**  
[72] MUELLER, Fred, US  
[72] FOX, Billy Shane, US  
[71] MAXAGRID INTERNATIONAL, INC., US  
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[30] US (60/070,363) 1998-01-02  
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[13] A1

[51] **Int.Cl. 6H01P 5/16**  
[25] EN  
[54] **XDSL SPLITTER LINE MODULE FOR NETWORK INTERFACE DEVICE**  
[54] **MODULE DE LIGNE A SEPARATEUR XDSL POUR INTERFACE RESEAU**  
[72] VO, Chanh, US  
[72] NAPIORKOWSKI, John J., US  
[72] STABER, Harley J., US  
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[13] A1

[51] **Int.Cl. 6A47B 91/06 6A47B 91/00**  
[25] EN  
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[54] **SUPPORT AVEC PIED ESCAMOTABLE**  
[72] MILES, George A., US  
[72] HOLLINGTON, Geoff A., US  
[72] ACHTERHOF, Dean D., US  
[72] CAMMENGA, Eric, US  
[72] CRAYCRAFT, Cecil P., US  
[72] DePREE, Michael L., US  
[71] HERMAN MILLER, INC., US  
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[13] A1

[51] **Int.Cl. 6H04B 1/036 6H04L 25/04 6H04B 1/16 6H04Q 7/22**  
[25] EN  
[54] **TELECOMMUNICATIONS SYSTEM WITH BANDWIDTH AGILE RECEIVERS AND TRANSMITTERS**  
[54] **SYSTEME DE TELECOMMUNICATIONS A RECEPTEURS ET EMETTEURS AGILES EN LARGEUR DE BANDE**  
[72] LUCIDARME, Thierry, FR  
[71] NORTEL MATRA CELLULAR, FR  
[22] 1998-12-23  
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[13] A1

[51] **Int.Cl. 6G02B 6/36 6G02B 6/255 6G02B 6/40**  
[25] EN  
[54] **MULTI-FIBER SPLICE MECHANISM AND ASSOCIATED SPLICING CONNECTOR**  
[54] **MECANISME D'EPISSAGE MULTIFIBRE ET CONNECTEUR CONNEXE**  
[72] KNECHT, Dennis M., US  
[72] LUTHER, James P., US  
[72] GIEBEL, Markus A., US  
[72] THEUERKORN, Thomas, US  
[71] SIECOR OPERATIONS, LLC, US  
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[13] A1

[51] **Int.Cl. 6A61K 7/09**  
[25] FR  
[54] **AGENT OXYDANT A PLUSIEURS COMPOSANTS ET PROCEDE DE DEFORMATION PERMANENTE DES CHEVEUX LE METTANT EN OEUVRE**  
[54] **MULTI-COMPONENT OXIDIZING AGENT AND PROCESS FOR USING IT TO PERMANENTLY WAVE HAIR**  
[72] SABBAGH, Anne, FR  
[72] NGUYEN, Ly-Lan, FR  
[71] L'OREAL, FR  
[22] 1998-12-23  
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[13] A1

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[25] FR  
[54] **AGENT REDUCTEUR A PLUSIEURS COMPOSANTS ET PROCEDE DE DEFORMATION PERMANENTE DES CHEVEUX LE METTANT EN OEUVRE**  
[54] **MULTI-COMPONENT REDUCING AGENT AND PROCEDURE FOR USING IT TO PERMANENTLY WAVE HAIR**  
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[72] SABBAGH, Anne, FR  
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[21] **2,256,956**  
[13] A1

[51] **Int.Cl. 6H05K 9/00 6H05K 1/18**  
[25] EN  
[54] **APPARATUS AND METHOD FOR RF SHIELDING OF A PRINTED CIRCUIT BOARD**  
[54] **MATERIEL ET METHODE POUR LE BLINDAGE RF D'UNE CARTE IMPRIMEE**  
[72] HOLMES, John A., CA  
[71] RESEARCH IN MOTION LIMITED, CA  
[22] 1998-12-23  
[43] 1999-06-29  
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[51] **Int.Cl. 6C01B 3/34**  
[25] EN  
[54] **PROCESS FOR PRODUCING AN H2-CO GAS MIXTURE**  
[54] **PROCEDE DE PRODUCTION D'UN MELANGE GAZEUX H2-CO**  
[72] ZHOU, Li-Ming, CA  
[72] KOGELSCHATZ, Ulrich, CH  
[72] ELIASSON, Baldur, CH  
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[43] 1999-06-27  
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[51] **Int.Cl. 6A61K 7/50**  
[25] EN  
[54] **HIGH GLYCERIN CONTAINING ANTI-MICROBIAL CLEANERS**  
[54] **NETTOYEURS ANTIMICROBIENS RICHES EN GLYCERINE**  
[72] JAMPANI, Hanuman B., US  
[72] NEWMAN, Jerry L., US  
[71] ETHICON INC., US  
[22] 1998-12-23  
[43] 1999-06-30  
[30] US (09/001,020) 1997-12-30

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[13] A1

[51] **Int.Cl. 6C08G 61/08 6C08G 18/10 6C08G 18/67**  
[25] EN  
[54] **POLYURETHANE POLYOLEFINS AND PREPOLYMERS BASED ON HYDROXY FUNCTIONAL POLYBUTADIENE**  
[54] **POLYURETHANE POLYOLEFINIQUES ET PREPOLYMERES A BASE DE POLYBUTADIENE HYDROXYLE**  
[72] JONSSON, E. Haakan, US  
[72] FRANZ, Uli W., US  
[72] PETERS, Mark A., US  
[72] TAYLOR, Ronald P., US  
[72] CHAN, Jack C., US  
[72] HAIDER, Karl W., US  
[71] BAYER CORPORATION, US  
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[13] A1

[51] **Int.Cl. 6C08F 4/52 6C08F 10/00 6C08F 10/02 6C08F 2/34 6C08F 4/60**  
[25] EN  
[54] **CATALYST COMPOSITION FOR THE POLYMERIZATION OF OLEFINS**  
[54] **COMPOSITION CATALYTIQUE POUR LA POLYMERISATION D'OLEFINES**  
[72] WENZEL, Timothy Todd, US  
[71] UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION, US  
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[25] EN  
[54] **BIS (DIALKYLMALEIMIDE) DERIVATIVE AND POLYETHERIMIDE FOR OPTICAL COMMUNICATIONS FORMED THEREFROM**  
[54] **DERIVE DE BIS(DIALKYLMALEIMIDE) ET POLY(ETHER-IMIDE) POUR LA FABRICATION DE LIENS OPTIQUES**  
[72] SUH, Dong-hack, KR  
[72] RHEE, Tae-hyung, KR  
[72] CHUNG, Eun-young, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR  
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[43] 1999-06-30  
[30] KR (97-82006) 1997-12-31

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[25] EN  
[54] **IMPROVED STRUCTURES AND METHODS OF MANUFACTURE FOR GAS DIFFUSION ELECTRODES AND ELECTRODE COMPONENTS**  
[54] **STRUCTURES AMELIOREES ET METHODES DE FABRICATION D'ELECTRODES A DIFFUSION DE GAZ ET COMPOSANTS D'ELECTRODES**  
[72] DeMARINIS, Michael, US  
[72] De CASTRO Emory S., US  
[72] ALLEN, Robert J., US  
[72] SHAIKH, Khaleda, US  
[71] DE NORA S.P.A., IT  
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[43] 1999-07-02  
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[30] US (184,089) 1998-10-30

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[13] A1  
[51] **Int.Cl. 6H01P 5/12**  
[25] EN  
[54] **XDSL SPLITTER INTERCONNECT MODULE FOR NETWORK INTERFACE DEVICE**  
[54] **MODULE D'INTERCONNEXION A SEPARATEUR XDSL POUR INTERFACE RESEAU**  
[72] LANQUIST, Todd C., US  
[72] KEENUM, John A., US  
[72] STABER, Harley J., US  
[71] SIECOR OPERATIONS, LLC, US  
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[13] A1  
[51] **Int.Cl. 6C08L 21/00 6C08K 3/00 6C08L 23/26**  
[25] EN  
[54] **TIRE COMPONENTS CONTAINING FUNCTIONALIZED POLYOLEFINS**  
[54] **COMPOSANTS POUR PNEUS RENFERMANT DES POLYOLEFINES FONCTIONNALISEES**  
[72] LIN, Chen-Chy, US  
[71] BRIDGESTONE CORPORATION, JP  
[22] 1998-12-21  
[43] 1999-06-30  
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[13] A1  
[51] **Int.Cl. 6C10M 169/04 6C10M 171/02**  
[25] EN  
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[54] **LIQUIDE HYDRAULIQUE POUR TRACTEURS**  
[72] ZAKARIAN, John A., US  
[72] ROBINSON, Gene E., US  
[71] CHEVRON U.S.A. INC., US  
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[25] EN  
[54] **IMIDAZOLIDIN-4-ONE DERIVATIVES USEFUL AS ANTICANCER AGENTS**  
[54] **DERIVES D'IMIDAZOLIDIN-4-ONE UTILES COMME AGENTS ANTICANCEREUX**  
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[72] YANG, Bingwei Vera, US  
[71] PFIZER PRODUCTS INC., US  
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[43] 1999-06-30  
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[13] A1  
[51] **Int.Cl. 6A24F 1/00**  
[25] EN  
[54] **PIPE STEM FOR DRY BOWL SMOKER'S PIPE AND METHOD OF MAKING A PLASTIC DRY BOWL SMOKER'S PIPE**  
[54] **TUYAU DE PIPE A GODET SEC ET METHODE DE FABRICATION D'UN GODET SEC EN PLASTIQUE POUR PIPE**  
[72] CALKINS, Edward H., US  
[71] CALKINS, Edward H., US  
[22] 1998-12-24  
[43] 1999-06-29  
[30] US (08/998,865) 1997-12-29

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[13] A1  
[51] **Int.Cl. 6B62D 63/02 6B62D 49/00 6B62D 63/04 6A01B 59/048**  
[25] EN  
[54] **SELF-PROPELLED AGRICULTURAL IMPLEMENT**  
[54] **MACHINE AGRICOLE AUTOMOTRICE**  
[72] GALLENBERG, Ronald J., US  
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[25] EN  
[54] **FIBER RECLAMATION USING CARBON DIOXIDE**  
[54] **REGENERATION DE FIBRES A L'AIDE DE DIOXYDE DE CARBONE**  
[72] MAZIVIERO, Paulo Roberto, BR  
[72] MEDEIROS, Douglas Barbosa, BR  
[71] PRAXAIR TECHNOLOGY, INC., US  
[22] 1998-12-29  
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[13] A1

[51] **Int.Cl. 6E01C 3/06 6E01C 7/18**  
[25] EN  
[54] **WHEEL RUT-RESISTANT CARRIAGEWAY AND PROCESS FOR OBTAINING SUCH A CARRIAGEWAY**  
[54] **CHAUSSEE RESISTANT A LA FORMATION D'ORNIERES ET PROCEDE POUR OBTENIR CETTE CHAUSSEE**  
[72] CHAMBON, Alain, FR  
[71] COLAS, FR  
[22] 1998-12-24  
[43] 1999-06-30  
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[13] A1

[51] **Int.Cl. 6B07B 1/00**  
[25] EN  
[54] **BAR SCREEN SYSTEM WITH ATTACHED SCREENS**  
[54] **SYSTEME DE GRILLE FIXE MUNI DE GRILLES FIXES**  
[72] THOMA, Eduard Josef, CA  
[71] BELOIT TECHNOLOGIES, INC., US  
[22] 1998-12-24  
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[30] US (09/002,542) 1998-01-02

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[13] A1

[51] **Int.Cl. 6H04Q 7/34 6H04Q 7/36**  
[25] EN  
[54] **WIRELESS TOOLS FOR DATA MANIPULATION AND VISUALIZATION**  
[54] **OUTILS SANS FIL DE MANIPULATION ET DE VISUALISATION DE DONNEES**  
[72] SOMOZA, Vincent, CA  
[72] ALMEIDA, Gorete, CA  
[71] NORTHERN TELECOM LIMITED, CA  
[22] 1998-12-30  
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[13] A1

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[25] EN  
[54] **COMBINED HEADER HEIGHT CONTROL**  
[54] **COMMANDE DE HAUTEUR DE TETE DE MOISSONNEUSE-BATTEUSE**  
[72] GRAMM, Richard, US  
[71] GRAMM, Richard, US  
[22] 1998-12-30  
[43] 1999-06-30  
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[13] A1

[51] **Int.Cl. 6H04L 12/12 6H04M 11/06 6H04L 12/16**  
[25] EN  
[54] **INTERNET CALLING APPARATUS AND METHOD**  
[54] **APPAREIL ET METHODE D'APPEL INTERNET**  
[72] ZALECKAS, Jean F., US  
[72] HAKIM, Shafik Jalal, US  
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[13] A1

[51] **Int.Cl. 6H04B 10/08 6H04J 14/02 6H04B 10/24**  
[25] EN  
[54] **METHOD AND APPARATUS FOR TRANSPARENT OPTICAL COMMUNICATION WITH TWO-FIBER BIDIRECTIONAL RING WITH AUTOPROTECTION AND MANAGEMENT OF LOW PRIORITY TRAFFIC**  
[54] **METHODE ET MATERIEL POUR LA COMMUNICATION OPTIQUE TRANSPARENTE AU MOYEN D'UN ANNEAU BIDIRECTIONNEL A DEUX FIBRES AVEC AUTO-PROTECTION ET GESTION DU TRAFIC DE FAIBLE PRIORITE**  
[72] ARECCO, Fulvio, IT  
[71] PIRELLI CAVI E SISTEMI S.P.A., IT  
[22] 1998-12-30  
[43] 1999-06-30  
[30] EP (97 123013.1) 1997-12-31

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[13] A1

[51] **Int.Cl. 6C11D 1/83 6D06L 1/16 6C11D 3/42**  
[25] EN  
[54] **PRESOAK DETERGENT WITH OPTICAL BRIGHTENER**  
[54] **DETERSIF POUR LE PRETREMPEGE RENFERMANT UN AZURANT OPTIQUE**  
[72] PARKER, Carleton J., III, US  
[72] SOWLE, Eddie D., US  
[71] KAY CHEMICAL COMPANY, US  
[22] 1998-12-22  
[43] 1999-06-30  
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[13] A1

[51] Int.Cl. 6H04B 10/18 6H04B 10/17  
[25] EN  
[54] SUPPRESSION OF  
POLARIZATION HOLE BURNING  
WITH AN ACOUSTO-OPTIC  
MODULATOR  
[54] ELIMINATION DES TROUS DE  
BRULURE DE POLARISATION AU  
MOYEN D'UN MODULATEUR  
ACOUSTO-OPTIQUE  
[72] FRASCOLLA, Massimo, IT  
[72] OTTOLENGHI, Paolo, IT  
[72] BENTIVOGLIO RAVASIO, Filippo, IT  
[72] SCHMID, Steffen, IT  
[71] PIRELLI CAVI E SISTEMI S.P.A., IT  
[22] 1998-12-30  
[43] 1999-06-30  
[30] EP (97 123015.6) 1997-12-31

[21] 2,257,059  
[13] A1

[51] Int.Cl. 6H04B 10/17 6H04J 14/02  
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[25] EN  
[54] BIDIRECTIONAL OPTICAL  
TRANSMISSION SYSTEM FOR DENSE  
INTERLEAVED WAVELENGTH  
DIVISION MULTIPLEXING  
[54] SYSTEME DE TRANSMISSION  
OPTIQUE BIDIRECTIONNELLE  
FAISANT APPEL AU MULTIPLEXAGE  
PAR REPARTITION EN LONGUEUR  
D'ONDE A CANAUX ENTRELACES DE  
GRANDE DENSITE  
[72] MELI, Fausto, IT  
[72] PICIACCIA, Stefano, IT  
[72] AINA, Stefano, IT  
[71] PIRELLI CAVI E SISTEMI S.P.A., IT  
[22] 1998-12-30  
[43] 1999-06-30  
[30] EP (97 123014.9) 1997-12-31

[21] 2,257,321  
[13] A1

[51] Int.Cl. 6G07B 17/02  
[25] EN  
[54] A METHOD AND SYSTEM FOR  
ADDRESS DETERMINATION  
[54] METHODE ET SYSTEME DE  
DETERMINATION D'ADRESSE  
[72] KENBEEK, Dennis L., US  
[71] PITNEY BOWES INC., US  
[22] 1998-12-30  
[43] 1999-06-30  
[30] US (09/002,060) 1997-12-31

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[13] A1

[51] Int.Cl. 6C07D 277/56 6C07D 417/06  
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[25] EN  
[54] THIAZOLE DERIVATIVES  
[54] DERIVES DE THIAZOLE  
[72] WELLER, Thomas, CH  
[72] ALIG, Leo, CH  
[72] EDENHOFER, Albrecht, CH  
[72] HILPERT, Kurt, CH  
[71] F.HOFFMANN-LA ROCHE AG, CH  
[22] 1998-12-30  
[43] 1999-07-02  
[30] EP (98100007.8) 1998-01-02

[21] 2,257,323  
[13] A1

[51] Int.Cl. 6C23C 14/35 6B30B 15/06  
[25] EN  
[54] METHOD FOR HIGH SCAN SPEED  
SPUTTER COATING TO PRODUCE  
COATED ABRASION RESISTANT  
PRESS PLATES WITH REDUCED  
BUILT-IN THERMAL STRESS  
[54] METHODE DE REVETEMENT PAR  
PULVERISATION A GRANDE VITESSE  
DE BALAYAGE POUR PRODUIRE DES  
PLAQUES MACHINES ENDUITES  
RESISTANTES A L'ABRASION ET  
COMPORTANT DES CONTRAINTES  
THERMIQUES INTERNES REDUITES  
[72] MA, Muyuan M., US  
[72] OLIVER, Jay T., US  
[71] PREMARK RWP HOLDINGS, INC.,  
US  
[22] 1998-12-30  
[43] 1999-06-30  
[30] US (09/001,146) 1997-12-30

[21] 2,257,324  
[13] A1

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[54] **METHODE DE PRODUCTION D'ACETATE DE VINYLE**  
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[72] MCCLAUGHLIN, William, US  
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[72] NEUHOFER, Rudolf, AT  
[72] ZABELINSKAJA-MACKOVA, Antonia, AT  
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[54] **METHODE DE PREPARATION DE MELANGES DE SOLIDE ET DE POLYMERE DE SILICONE POUR DES COMPOSITIONS DE SILICONE RTV2 A ECOULEMENT FACILE AYANT UNE FAIBLE LIMITE APPARENTE D'ELASTICITE**  
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[72] KLOTZ-ENGMANN, Gerold, DE  
[72] PFEIFFER, Helmut, DE  
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[54] **SYSTEME POUR ETANCHER L'INTERSECTION ENTRE UN TROU DE FORAGE PRINCIPAL ET UN EMBRANCHEMENT**  
[72] CUMMING, Francis Alexander, NL  
[72] FISHER, Simon Lawrence, NL  
[72] LOHBECK, Wilhelmus Christianus Maria, NL  
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[54] **METHODE DE FABRICATION SANS JOINT DE PRODUITS EN ELASTOMERE MOULES**  
[72] PARKINSON, Kevin G., CA  
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[54] **WIDEBAND CATV AMPLIFIER WITH MICROPROCESSOR-BASED SLOPE AND GAIN CONTROL**  
[54] **AMPLIFICATEUR DE CABLODISTRIBUTION A LARGE BANDE AVEC COMMANDE DE PENTE ET DE GAIN PAR MICROPROCESSEUR**  
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[72] SEVERANCE, Richard A. (deceased), US  
[72] KENNY, Donald V., US  
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[72] EDMEADES, Lorraine Mary, GB

[72] GRIFFITH-SKINNER, Nigel Arthur,

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[72] CHAZALET, Maurice, FR  
[72] LATORSE, Marie-Pascale, FR  
[72] MERCER, Richard, FR  
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[72] LU, Pang-Chia, US  
[71] MOBIL OIL CORPORATION, US  
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[54] **METALLIC OBJECT WITH A THIN POLYPHASE OXIDE COATING AND PROCESS FOR THE MANUFACTURE THEREOF**  
[54] **OBJET METALLIQUE A FINE COUCHE D'OXYDE POLYPHASEE ET PROCEDE PERMETTANT DE LE PRODUIRE**  
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[72] STOLZEL, Martina, DE  
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[54] **PROCEDE DE PRODUCTION D'ARTICLES POUR ANIMAUX FAMILIERS A FAIBLE TENEUR EN ACETALDEHYDE**  
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[54] **NOUVEAUX INHIBITEURS DE L'HEPATITE B**  
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[51] **Int.Cl. 6B29C 70/06 6B27N 3/04 6B27N 3/06 6B27N 3/16 6B29C 70/34**  
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[54] **MOLDED INSULATION PRODUCTS AND THEIR MANUFACTURE USING CONTINUOUS-FILAMENT WOOL**  
[54] **PRODUITS D'ISOLATION MOULES ET PROCEDE DE FABRICATION DE CES PRODUITS UTILISANT UNE LAINE A FIL CONTINU**  
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[71] OWENS CORNING, US  
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[72] RUB, Winfried, DE  
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[54] **RESERVOIR EN UN BLOC POUR CARDIOTOMIE ET SANG VEINEUX**  
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[72] STANLEY, Charles L., US  
[72] RANERI, Joseph J., US  
[72] INTOCCIA, Alfred P., US  
[71] C.R.BARD, INC., US  
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[71] KONINKLIJKE PHILIPS ELECTRONICS N.V., NL  
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[54] **A PIVOTING SAILING RIG**  
[54] **GREEMENT PIVOTANT**  
[72] DANE, Robert, AU  
[71] SOLAR SAILOR PTY. LTD., AU  
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[51] **Int.Cl. 6H03F 3/21 6H03G 3/30**  
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[54] **AN ARRANGEMENT FOR REDUCING AND STABILIZING THE AMPLIFICATION OF A DARLINGTON-COUPLED OUTPUT STAGE**  
[54] **SYSTEME PERMETTANT DE REDUIRE ET DE STABILISER L'AMPLIFICATION D'UN ETAGE DE SORTIE A COUPLAGE DARLINGTON**  
[72] ERIKSSON, Hans, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
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[51] **Int.Cl. 6C08F 220/34 6C09D 133/00 6B01J 43/00 6A61L 33/00 6B01D 15/04 6C09D 105/08 6C09D 105/10 6B01J 20/26 6A61M 1/36 6G01N 33/72**  
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[54] **COMPOSITIONS BIOCOMPATIBLES**  
[72] MCNEILLIS, Paul Matthew, GB  
[72] PORSSA, Manuchehr, GB  
[72] FREEMAN, Richard Neil Templar, GB  
[71] BIOCOMPATIBLES LIMITED, GB  
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[51] **Int.Cl. 6H04Q 7/22 6H04M 15/12**  
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[72] VEDEL, Peter, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
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[51] **Int.Cl. 6H04Q 7/38 6H04Q 7/22 6H04Q 7/24**  
[25] EN  
[54] **ADDRESS RETRIEVAL SYSTEM**  
[54] **SYSTEME DE RECHERCHE D'ADRESSE**  
[72] BHATIA, Ranjit, US  
[71] ERICSSON INC., US  
[85] 1999-05-06  
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[51] **Int.Cl. 6C07D 215/56 6C07D 401/04 6C07D 471/04 6A61K 31/47**  
[25] EN  
[54] **NOVEL PYRIDONECARBOXYLIC ACID DERIVATIVES OR SALTS THEREOF AND DRUGS CONTAINING THE SAME AS THE ACTIVE INGREDIENT**  
[54] **NOUVEAUX DERIVES D'ACIDE PYRIDONECARBOXYLIQUE OU LEURS SELS, ET MEDICAMENTS CONTENANT CEUX-CI EN TANT QUE PRINCIPE ACTIF**  
[72] HAYASHI, Norihiro, JP  
[72] YAZAKI, Akira, JP  
[72] KURAMOTO, Yasuhiro, JP  
[72] OHSHITA, Yoshihiro, JP  
[72] NIINO, Yoshiko, JP  
[72] HIRAO, Yuzo, JP  
[72] SAKAE, Nobuya, JP  
[72] YOSHIDA, Jiro, JP  
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[54] **PANNEAUX RESISTANTS AUX IMPACTS ET A L'EPREUVE DU PERCEMENT**  
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[72] MACDONALD, Frank J., US  
[71] OWENS CORNING, US  
[85] 1999-05-06  
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[54] **COMBINATORIAL PROCESS FOR PREPARING THIAZOLIDINONE LIBRARIES**  
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[71] ELI LILLY AND COMPANY, US  
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[54] **WINDSCREEN WIPER ARM AND METHOD FOR MANUFACTURING THE WINDSCREEN WIPER ARM**  
[54] **BRAS D'ESSUIE-GLACE ET PROCEDE DE FABRICATION DE CELUI-CI**  
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[71] COOPER INDUSTRIES, INC., US  
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[72] MAINES, Andrew David, GB  
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[51] **Int.Cl. 6H04Q 3/00 6H04M 15/28**  
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[54] **RATING PROCESS AND CIRCUITRY FOR COMMUNICATION NETWORKS**  
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[72] SCHONBORN, Franz, DE  
[71] DEUTSCHE TELEKOM AG, DE  
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[54] **ABGESCHIRMTER BAUGRUPPENTRAGER FUR ELEKTRISCHE FLACHBAUGRUPPEN**  
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[72] SCHAFFER, Kurt-Michael, DE  
[72] BEHRENS, Ralf, DE  
[72] KURRER, Siegfried, DE  
[72] KORBER, Werner, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 1999-05-07  
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[87] 1998-05-22 (WO98/21923)  
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[13] A1

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[25] EN  
[54] **SUB-RACK FOR CIRCUIT BOARDS WITH CENTRAL CROSS-TRACKS**  
[54] **BATI ELECTRONIQUE POUR CARTES DE CIRCUITS AVEC RAILS TRANSVERSAUX CENTRAUX**  
[72] SCHAFFER, Kurt-Michael, DE  
[72] KURRER, Siegfried, DE  
[72] BILLENSTEIN, Ernst, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
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[51] **Int.Cl. 6F23G 7/06 6B01D 53/34**  
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[54] **DEODORIZING APPARATUS AND DEODORIZING METHOD**  
[54] **DESODORISATEUR ET PROCEDE ASSOCIE**  
[72] SHOJI, Tohru, JP  
[71] TANAKA KIKINZOKU KOGYO K.K., JP  
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[54] **RADAR SYSTEM**  
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[72] FARMER, Michael E., US  
[71] AUTOMOTIVE SYSTEMS LABORATORY, INC., US  
[85] 1999-05-07  
[86] 1998-10-16 (PCT/US98/21908)  
[87] 1999-04-22 (WO99/19744)  
[30] US (60/066,025) 1997-10-16  
[30] US (60/071,964) 1998-01-20  
[30] US (09/173,322) 1998-10-16

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[13] A1

[51] **Int.Cl. 6B01D 33/06**  
[25] EN  
[54] **ZONED PRESSURE SCREEN**  
[54] **EPURATEUR SOUS PRESSION DOTE DE ZONES**  
[72] PIMLEY, John J., GB  
[71] THERMO BLACK CLAWSON INC., US  
[85] 1999-05-07  
[86] 1997-11-11 (PCT/US97/20274)  
[87] 1998-05-22 (WO98/20958)  
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<p style="text-align: center;">[21] <b>2,271,156</b> [13] A1</p> <p>[51] <b>Int.Cl. 6E21B 47/022</b> [25] EN [54] <b>METHOD OF CORRECTING WELLBORE MAGNETOMETER ERRORS</b> [54] <b>PROCEDE DE CORRECTION DES ERREURS D'UN MAGNETOMETRE DANS UN Puits DE FORAGE</b> [72] BROOKS, Andrew Goodwin, US [71] BAKER HUGHES INCORPORATED, US [85] 1999-05-07 [86] 1996-11-08 (PCT/US96/17941) [87] 1998-05-22 (WO98/21448)</p>	<p style="text-align: center;">[21] <b>2,271,158</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B01D 45/12 6F23C 11/02 6B04C 5/04</b> [25] EN [54] <b>AN APPARATUS AND A METHOD FOR SEPARATING PARTICLES FROM HOT GASES</b> [54] <b>APPAREIL ET PROCEDE PERMETTANT DE SEPARER DES PARTICULES DANS DES GAZ CHAUDS</b> [72] RISTOLA, Jari, FI [72] HYPPÄNEN, Timo, FI [71] FOSTER WHEELER ENERGIA OY, FI [85] 1999-05-07 [86] 1997-10-31 (PCT/FI97/00665) [87] 1998-05-28 (WO98/22199) [30] FI (964615) 1996-11-19</p>	<p style="text-align: center;">[21] <b>2,271,162</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/48 6A61K 7/06 6A23L 1/30</b> [25] EN [54] <b>VEGETABLE OIL COMPOSITIONS</b> [54] <b>COMPOSITIONS D'HUILE VEGETALE</b> [72] NICHOLS, Julie Ann, GB [72] COUPLAND, Keith, GB [71] CRODA INTERNATIONAL PLC, GB [85] 1999-05-07 [86] 1997-06-03 (PCT/GB97/01497) [87] 1997-12-11 (WO97/46220) [30] GB (9611529.0) 1996-06-03 [30] GB (9611530.8) 1996-06-03 [30] GB (9611531.6) 1996-06-03</p>
<p style="text-align: center;">[21] <b>2,271,157</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C07D 471/04 6C07D 401/04 6A61K 31/505</b> [25] EN [54] <b>PYRIDO-2,3-D PYRIMIDINES AND 4-AMINO-PYRIMIDINES AS INHIBITORS OF CELL PROLIFERATION</b> [54] <b>PYRIDO-2,3D PYRIMIDINES ET 4-AMINOPYRIMIDINES EN TANT QU'INHIBITEURS DE LA PROLIFERATION CELLULAIRE</b> [72] DOHERTY, Annette Marian, FR [72] FATTAEY, Ali, US [72] DOBRUSIN, Ellen Myra, US [72] BARVIAN, Mark Robert, US [72] BOSCHELLI, Diane Harris, US [72] FRY, David William, US [72] TRUMPP-KALLMEYER, Susanne Andrea, SE [72] WU, Zhipei, US [71] WARNER-LAMBERT COMPANY, US [85] 1999-05-07 [86] 1998-01-26 (PCT/US98/01343) [87] 1998-08-06 (WO98/33798) [30] US (60/037,220) 1997-02-05 [30] US (60/069,743) 1997-12-16</p>	<p style="text-align: center;">[21] <b>2,271,160</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G07C 3/04 6A61C 7/00</b> [25] EN [54] <b>DENTAL MONITORING SYSTEM</b> [54] <b>DISPOSITIF DE CONTROLE D'APPAREIL D'ORTHODONTIE</b> [72] IVANOV, Andre, CA [72] LOWE, Alan Arthur, CA [71] THE UNIVERSITY OF BRITISH COLUMBIA, CA [85] 1999-05-07 [86] 1997-11-06 (PCT/CA97/00853) [87] 1998-05-28 (WO98/22912) [30] US (08/749,686) 1996-11-15</p>	<p style="text-align: center;">[21] <b>2,271,166</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/48 6A61K 31/20 6A61K 31/23</b> [25] EN [54] <b>COMPOSITIONS AND USES THEREOF</b> [54] <b>COMPOSITIONS ET LEURS EMPLOIS</b> [72] PACKER, Claire Elizabeth, GB [72] COUPLAND, Keith, GB [71] CRODA INTERNATIONAL PLC, GB [85] 1999-05-07 [86] 1997-06-03 (PCT/GB97/01496) [87] 1997-12-11 (WO97/46219) [30] GB (9611530.8) 1996-06-03 [30] GB (9611529.0) 1996-06-03 [30] GB (9611531.6) 1996-06-03</p>
<p style="text-align: center;">[21] <b>2,271,161</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61B 17/70</b> [25] EN [54] <b>MULTI-ANGLE BONE SCREW ASSEMBLY USING SHAPE-MEMORY TECHNOLOGY</b> [54] <b>ENSEMBLE VIS MULTI-ANGULAIRE POUR OS, A MEMOIRE DE FORME</b> [72] SHERMAN, Michael C., US [72] DREWRY, Troy, US [71] SDGI HOLDINGS, INC., US [85] 1999-05-06 [86] 1997-11-05 (PCT/US97/20850) [87] 1998-05-14 (WO98/19616) [30] US (08/744,403) 1996-11-07</p>	<p style="text-align: center;">[21] <b>2,271,167</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61M 37/00 6A61N 1/30 6A61K 9/70</b> [25] EN [54] <b>DEVICE AND METHOD FOR ENHANCING TRANSDERMAL AGENT FLUX</b> [54] <b>DISPOSITIF ET PROCEDE PERMETTANT D'AMELIORER LE FLUX D'AGENT TRANSDERMIQUE</b> [72] NEUKERMANS, Armand P., US [72] CORMIER, Michel J. N., US [72] THEEUWES, Felix, US [71] ALZA CORPORATION, US [85] 1999-05-07 [86] 1997-12-16 (PCT/US97/23274) [87] 1998-07-02 (WO98/28037) [30] US (60/033,440) 1996-12-20</p>	

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[25] EN  
[54] **FLUID SEPARATION AND REINJECTION SYSTEMS FOR OIL WELLS**  
[54] **SYSTEME DE SEPARATION ET DE REINJECTION DE FLUIDES POUR PUITTS DE PETROLE**  
[72] SHAW, Christopher K., US  
[71] BAKER HUGHES LIMITED, GB  
[85] 1999-05-07  
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[87] 1998-05-14 (WO98/20233)  
[30] US (60/030,003) 1996-11-07

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[13] A1

[51] **Int.Cl. 6A61K 38/26 6C07K 14/605**  
[25] EN  
[54] **USE OF GLP-1 ANALOGS AND DERIVATIVES ADMINISTERED PERIPHERALLY IN REGULATION OF OBESITY**  
[54] **UTILISATION D'ANALOGUES ET DE DERIVES DE GLP-1 ADMINISTRES DE FACON PERIPHERIQUE AUX FINS DE LA REGULATION DE L'OBESITE**  
[72] EFENDIC, Suad, SE  
[72] DiMARCHI, Richard D., US  
[71] ELI LILLY AND COMPANY, US  
[85] 1999-05-07  
[86] 1997-11-04 (PCT/US97/20114)  
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[30] US (60/030,213) 1996-11-05  
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[13] A1

[51] **Int.Cl. 6G06F 13/40 6H05K 7/14**  
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[54] **HIGH SPEED SWITCH PACKAGE**  
[54] **BOITIER DE COMMUTATEURS HAUTE VITESSE**  
[72] WRONSKI, Leszek Dariusz, US  
[71] SYSTRAN CORPORATION, US  
[85] 1999-05-07  
[86] 1997-10-24 (PCT/US97/19771)  
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[51] **Int.Cl. 6G01N 30/96 6G01N 24/00 6G01N 1/22**  
[25] EN  
[54] **METHODS FOR THE DETECTION OF NITRIC OXIDE IN FLUID MEDIA**  
[54] **METHODES POUR DETECTER LE MONOXYDE D'AZOTE DANS DES MILIEUX FLUIDES**  
[72] LAI, Ching-San, US  
[71] MEDINOX, INC., US  
[71] MCW RESEARCH FOUNDATION, INC., US  
[85] 1999-05-07  
[86] 1997-10-20 (PCT/US97/19119)  
[87] 1998-05-14 (WO98/20336)  
[30] US (08/745,678) 1996-11-08

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[13] A1

[51] **Int.Cl. 6A61K 31/425 6A61K 47/10 6A61K 47/12 6A61K 9/48 6A61K 31/535 6A61K 31/55**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION**  
[54] **COMPOSITION PHARMACEUTIQUE**  
[72] LIPARI, John, US  
[72] KAUL, Dilip, US  
[72] GAO, Rong, US  
[72] AL-RAZZAK, Laman A., US  
[72] GHOSH, Soumojeet., US  
[71] ABBOTT LABORATORIES, US  
[85] 1999-05-07  
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[30] US (08/754,390) 1996-11-21

[21] **2,271,197**  
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[51] **Int.Cl. 6C07D 263/48**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF 2-IMINO-5-PHENYL-4-OXAZOLIDINONE AND ITS INTERMEDIATES**  
[54] **PROCEDE DE PREPARATION DE 2-IMINO-5-PHENYL-4-OXAZOLIDINONE ET DE SES INTERMEDIAIRES**  
[72] BONK, Peter J., US  
[71] ABBOTT LABORATORIES, US  
[85] 1999-05-07  
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[87] 1998-05-28 (WO98/22450)  
[30] US (08/754,772) 1996-11-20

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[51] **Int.Cl. 6G05B 19/418**  
[25] EN  
[54] **APPARATUS FOR CONTROLLING INTERNETWORK COMMUNICATIONS**  
[54] **APPAREIL DE GESTION DES COMMUNICATIONS INTERRESEAU**  
[72] SWALES, Andrew G., US  
[71] SCHNEIDER AUTOMATION INC., US  
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[51] **Int.Cl. 6D21F 3/10**  
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[54] **METHOD FOR LOADING THE SEALING OF A SUCTION ROLL AND A SEALING THEREOF**  
[54] **PROCEDE DE CHARGEMENT DU JOINT D'UN ROULEAU ASPIRANT ET JOINT POUR CE ROULEAU**  
[72] SAVOLAINEN, Hannu, FI  
[71] VALMET CORPORATION, FI  
[85] 1999-05-07  
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[87] 1999-04-15 (WO99/18286)  
[30] FI (U970435) 1997-10-07

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[51] **Int.Cl. 6C07C 31/125 6C07C 305/06 6C07C 53/126 6C07C 43/13 6C11D 1/14 6C11D 1/29 6C11D 1/72**  
[25] EN  
[54] **HIGHLY BRANCHED PRIMARY ALCOHOL COMPOSITIONS, AND BIODEGRADABLE DETERGENTS MADE THEREFROM**  
[54] **COMPOSITIONS D'ALCOOL PRIMAIRE FORTEMENT RAMIFIE ET DETERGENTS BIODEGRADABLES FABRIQUES A PARTIR DE TELLES COMPOSITIONS**  
[72] SINGLETON, David Michael, US  
[72] KRAVETZ, Louis, US  
[72] MURRAY, Brendan Dermot, US  
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL  
[85] 1999-05-07  
[86] 1997-11-25 (PCT/EP97/06694)  
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[30] US (08/755843) 1996-11-26  
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[25] EN  
[54] **METHODS AND COMPOSITIONS FOR TREATING AND DIAGNOSING TUMORS USING ADENOSINE RECEPTOR ACTIVATED CELLS**  
[54] **PROCEDES ET COMPOSITIONS DE TRAITEMENT ET DE DIAGNOSTIC DE TUMEURS METTANT EN OEUVRE DES CELLULES ACTIVES DU RECEPTEUR DE L'ADENOSINE**  
[72] NEELY, Constance F., US  
[71] LINK TECHNOLOGY, INC., US  
[85] 1999-05-07  
[86] 1997-11-05 (PCT/US97/19926)  
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[13] A1

[51] **Int.Cl. 6A61K 49/00 6A61L 29/00 6A61L 31/00**  
[25] EN  
[54] **ECHOGENIC COATING CONTAINING GASEOUS SPACES FOR ULTRASONOGRAPHY**  
[54] **REVETEMENT ECHOGENIQUE CONTENANT DES ESPACES GAZEUX POUR UNE ULTRASONOGRAPHIE**  
[72] LYDON, Margaret, US  
[72] LANZAFAME, John R., US  
[72] VIOLANTE, Michael R., US  
[72] WHITBOURNE, Richard J., US  
[71] STS BIOPOLYMERS, INC., US  
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[13] A1

[51] **Int.Cl. 6G01J 3/28 6G01N 21/19**  
[25] EN  
[54] **DIFFERENTIAL SPECTRAL TOPOGRAPHIC ANALYSIS (DISTA)**  
[54] **ANALYSE TOPOGRAPHIQUE SPECTRALE DIFFERENTIELLE (DISTA)**  
[72] HIRSH, Allen G., US  
[72] LITVINOVITCH, Serguei, US  
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[72] MEHL, Patrick M., US  
[71] HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, US  
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[30] US (60/030,454) 1996-11-06  
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[54] **FOUR DE DOSAGE**  
[72] MALPOHL, Klaus, DE  
[71] W. STRIKFELDT & KOCH GMBH, DE  
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[51] **Int.Cl. 6C12N 15/67 6C07K 14/00 6C12N 15/09 6C12N 5/10 6C12N 15/10 6C12N 1/11 6C12N 1/13 6C12N 5/14 6C12N 1/15 6C12N 5/16 6C12N 1/19 6C12N 1/21 6C12N 15/87**  
[25] EN  
[54] **METHOD FOR PRODUCING TAGGED GENES, TRANSCRIPTS AND PROTEINS**  
[54] **TECHNIQUE DE PRODUCTION DE GENES, DE PROTEINES ET DE TRANSCRIPTS MARQUES**  
[72] JARVIK, Jonathan W., US  
[71] JARVIK, Jonathan W., US  
[85] 1999-05-07  
[86] 1997-11-07 (PCT/US97/20150)  
[87] 1998-05-14 (WO98/20031)  
[30] US (08/705,404) 1996-11-08

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[13] A1

[51] **Int.Cl. 6C12N 1/21 6C12P 21/00 6C12N 15/63 6C12N 15/67**  
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[54] **IMPROVED EXPRESSION VECTORS**  
[54] **VECTEURS D'EXPRESSION AMELIORES**  
[72] SCHULTZ, Jody, US  
[72] HERMANSON, Gary, US  
[71] CYTEL CORPORATION, US  
[85] 1999-05-07  
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[30] US (60/029,545) 1996-11-08

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[51] **Int.Cl. 6C12N 9/74 6C12N 9/62 6C12N 15/62**  
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[54] **MODIFIED PROTEIN C AND METHODS OF USE THEREOF**  
[54] **PROTEINE C MODIFIEE ET PROCEDES D'UTILISATION CORRESPONDANTS**  
[72] SMIRNOV, Mikhail, US  
[72] ESMON, Charles T., US  
[71] OKLAHOMA MEDICAL RESEARCH FOUNDATION, US  
[85] 1999-05-07  
[86] 1997-11-07 (PCT/US97/20376)  
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[54] **GLAUCOMA-ASSOCIATED PROTEIN AND CORRESPONDING NUCLEIC ACID AND THEIR THERAPEUTIC AND DIAGNOSTIC USES**  
[54] **PROTEINE ASSOCIEE AU GLAUCOME, ACIDE NUCLEIQUE CORRESPONDANT ET LEURS UTILISATIONS DIAGNOSTIQUES ET THERAPEUTIQUES**  
[72] ALWARD, Wallace L. M., US  
[72] STONE, Edwin M., US  
[72] SHEFFIELD, Val, US  
[71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US  
[85] 1999-05-05  
[86] 1997-11-07 (PCT/US97/20702)  
[87] 1998-05-14 (WO98/20131)  
[30] US (08/748,479) 1996-11-08  
[30] US (08/791,347) 1997-01-30  
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[13] A1

[51] **Int.Cl. 6C12N 15/12 6A61K 48/00 6C12Q 1/00 6A01K 67/027 6A61K 35/28 6G01N 33/50 6C12Q 1/68 6A61K 31/70 6C07K 14/72 6C12N 15/85**

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[54] **TRANSGENIC ANIMALS WITH DISRUPTED NPY Y1 RECEPTOR GENES**  
[54] **ANIMAUX TRANSGENIQUES AVEC DISLOCATION DES GENES DES RECEPTEURS NPY Y1**  
[72] PEDRAZZINI, Thierry, CH  
[72] BRUNNER, Hans R., CH  
[71] B.M.R.A. CORP. B.V., NL  
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[13] A1

[51] **Int.Cl. 6C12Q 1/02 6G01N 33/564 6G01N 33/566 6G01N 33/569 6G01N 33/574**

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[54] **PROCEDE DE DIAGNOSTIC FAISANT APPEL A UN DOSAGE DE LIGAND CD40**  
[72] VAKKALANKA, Radha Krishna, US  
[72] CROW, Mary K., US  
[71] NEW YORK SOCIETY FOR THE RUPTURED AND CRIPPLED MAINTAINING THE HOSPITAL, US  
[85] 1999-05-06  
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[51] **Int.Cl. 6C12M 3/04 6C12P 15/00**

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[54] **ADMINISTRATION INTRACELLULAIRE, ASSISTEE PAR PRESSION, DE MOLECULES OU MICROPARTICULES**  
[72] MANN, Michael J., US  
[72] DZAU, Victor J., US  
[72] GIBBONS, Gary H., US  
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US  
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[30] US (08/745,023) 1996-11-07

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[13] A1

[51] **Int.Cl. 6C12N 15/63 6C07K 19/00 6A61K 38/17 6C12N 5/18 6C07K 16/28 6G01N 33/50 6G01N 33/53 6C07K 14/705 6C12N 15/85**

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[72] LAMB, Jonathan Robert, GB  
[72] DALLMAN, Margaret Jane, GB  
[71] LORENTIS LIMITED, GB  
[85] 1999-05-07  
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[87] 1998-05-14 (WO98/20142)  
[30] GB (9623236.8) 1996-11-07  
[30] GB (9715674.9) 1997-07-24  
[30] GB (9719350.2) 1997-09-11

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[51] **Int.Cl. 6C07K 14/765 6C08B 37/02 6C07K 16/06 6C08F 8/32 6A61K 38/38 6C08G 69/48 6G01N 33/569 6C12Q 1/70 6A61K 31/73 6C07K 14/77 6A61K 31/785**

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[54] **METHODE ET NOUVEAUX COMPOSES A UTILISER AVEC LADITE METHODE**  
[72] JIN, Betty, AU  
[72] REECE, Phillip A., AU  
[72] WATSON, Keith Geoffrey, AU  
[72] WU, Wen-Yang, AU  
[72] KRIPPNER, Guy Y., AU  
[71] BIOTA SCIENTIFIC MANAGEMENT PTY. LTD., AU  
[85] 1999-05-07  
[86] 1997-11-13 (PCT/AU97/00771)  
[87] 1998-05-22 (WO98/21243)  
[30] AU (PO 3632) 1996-11-14  
[30] AU (PO 8539) 1997-08-14



## PCT Applications Entering the National Phase

<p style="text-align: right;">[21] <b>2,271,255</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C07K 16/06</b> [25] EN [54] <b>AFFINITY PURIFICATION OF POLYPEPTIDE ON PROTEIN A MATRIX</b> [54] <b>PURIFICATION PAR AFFINITE DE POLYPEPTIDE SUR UNE MATRICE DE PROTEINES A</b> [72] BLANK, Greg S., US [71] GENENTECH, INC., US [85] 1999-05-10 [86] 1997-10-29 (PCT/US97/19994) [87] 1998-06-04 (WO98/23645) [30] US (60/031,500) 1996-11-27</p>	<p style="text-align: right;">[21] <b>2,271,261</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B32B 27/04 6C09J 7/02 6C08L 83/04 6B32B 7/06</b> [25] EN [54] <b>MULTILAYER COMPOSITE BODY</b> [54] <b>CORPS COMPOSITE MULTICOUCHE</b> [72] ROTHWELL, Rachel S., GB [72] HOGARTH, Ian W., GB [72] WILKINSON, Robert I., GB [71] PELIKAN SCOTLAND LIMITED, GB [85] 1999-05-10 [86] 1997-11-05 (PCT/EP97/06120) [87] 1998-05-22 (WO98/21031) [30] DE (196 46 212.6) 1996-11-08</p>	<p style="text-align: right;">[21] <b>2,271,271</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/42 6A61K 7/00</b> [25] EN [54] <b>SUNLESS TANNING EMULSIONS WITH DISAPPEARING COLOR INDICATOR</b> [54] <b>EMULSIONS AUTOBRONZANTES ET DISPARITION D'UN INDICATEUR COLORE</b> [72] KARPOV, Inna, US [72] ROSS, Jamie S., US [72] MOREFIELD, Elaine M., US [71] SCHERING-PLOUGH HEALTHCARE PRODUCTS, INC., US [85] 1999-05-10 [86] 1997-11-21 (PCT/US97/20361) [87] 1998-06-04 (WO98/23256) [30] US (08/756,288) 1996-11-25</p>
<p style="text-align: right;">[21] <b>2,271,259</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A23K 1/16</b> [25] EN [54] <b>FEED SUPPLEMENT</b> [54] <b>SUPPLEMENT ALIMENTAIRE</b> [72] MURTO, Maria, FI [71] MURTO, Maria, FI [71] WIKMAN, Charlotte, FI [71] MURTO, Armi, FI [85] 1999-05-10 [86] 1997-11-13 (PCT/FI97/00690) [87] 1998-05-22 (WO98/20748) [30] FI (962811) 1996-11-13</p>	<p style="text-align: right;">[21] <b>2,271,268</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/48 6A61K 31/01 6A61K 31/20 6A61K 31/70</b> [25] EN [54] <b>THERAPEUTIC AND COSMETIC COMPOSITIONS, THEIR USE AND METHOD FOR THE PREPARATION THEREOF</b> [54] <b>COMPOSITIONS COSMETIQUES ET THERAPEUTIQUES, LEURS UTILISATION ET PROCEDE DE PREPARATION</b> [72] OLMESKOG, Stellan, SE [72] NÄSLUND, Ingemar, SE [72] KÄRNERUD, Lars, SE [71] INTERHEALTH AB, SE [85] 1999-05-10 [86] 1997-11-14 (PCT/SE97/01921) [87] 1998-05-28 (WO98/22083) [30] SE (9604193-4) 1996-11-15</p>	<p style="text-align: right;">[21] <b>2,271,272</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 31/435 6C07D 471/04</b> [25] EN [54] <b>5-HT1F AGONISTS</b> [54] <b>AGONISTES DE 5-HT1F</b> [72] JOHNSON, Kirk Willis, US [72] FILLA, Sandra Ann, US [72] SCHAUS, John Mehnert, US [72] PHEBUS, Lee Alan, US [71] ELI LILLY AND COMPANY, US [85] 1999-05-10 [86] 1997-11-13 (PCT/US97/20630) [87] 1998-05-22 (WO98/20875) [30] US (60/030,950) 1996-11-15</p>
<p style="text-align: right;">[21] <b>2,271,260</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A21D 6/00</b> [25] EN [54] <b>FOOD PRODUCT HAVING A DISTINCT PHASE AND PROCESS AND APPARATUS FOR PRODUCING SUCH A PRODUCT</b> [54] <b>PRODUIT ALIMENTAIRE A PHASE DISTINCTE, ET PROCEDE ET DISPOSITIF POUR LE PRODUIRE</b> [72] FRANCISCO, Neal Sylvester, US [72] WILLOUGHBY, Chris Lynn, US [71] KELLOGG COMPANY, US [85] 1999-05-10 [86] 1997-10-09 (PCT/US97/18301) [87] 1998-05-22 (WO98/20742) [30] US (08/746,735) 1996-11-15</p>	<p style="text-align: right;">[21] <b>2,271,269</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H04Q 3/00 6H04Q 3/545</b> [25] EN [54] <b>PROCESSOR FOR SIGNALING MESSAGES IN A DATA SWITCHING NETWORK</b> [54] <b>PROCESSEUR POUR LA SIGNALISATION DE MESSAGES DANS UN RESEAU DE COMMUTATION DE DONNEES</b> [72] SILVA, Michael, US [71] EXCEL SWITCHING CORPORATION, US [85] 1999-05-10 [86] 1997-11-04 (PCT/US97/20031) [87] 1998-05-28 (WO98/23097) [30] US (08/754,231) 1996-11-20</p>	<p style="text-align: right;">[21] <b>2,271,273</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 31/565 6A61K 47/48</b> [25] EN [54] <b>METHODS OF PREVENTION AND TREATMENT OF ISCHEMIC DAMAGE</b> [54] <b>METHODES DE PREVENTION ET DE TRAITEMENT DE LESIONS ISCHEMIQUES</b> [72] SIMPKINS, James W., US [71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US [85] 1999-05-10 [86] 1997-11-14 (PCT/US97/20875) [87] 1998-05-28 (WO98/22113) [30] US (08/749,703) 1996-11-15</p>

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<p style="text-align: right;">[21] <b>2,271,274</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B65D 81/32</b> [25] EN [54] <b>A TWO-PART STORAGE CONTAINER</b> [54] <b>RECIPIENT DE STOCKAGE EN DEUX PARTIES</b> [72] ENNIS, Declan Joseph, IE [71] HIGH MEADOW PATENTS LIMITED, IE [85] 1999-05-10 [86] 1997-11-07 (PCT/IE97/00075) [87] 1998-05-22 (WO98/21122) [30] IE (S960795) 1996-11-08</p>	<p style="text-align: right;">[21] <b>2,271,281</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H01L 41/083</b> [25] EN [54] <b>PIEZOELECTRIC ACTUATOR WITH NOVEL CONTACTING MEANS AND PRODUCTION PROCESS</b> [54] [72] LUBITZ, Karl, DE [72] WOLFF, Andreas, DE [72] HAMANN, Christoph, DE [72] CRAMER, Dieter, DE [72] HELLEBRAND, Hans, DE [72] SCHERER, Clemens, DE [71] SIEMENS AKTIENGESELLSCHAFT, DE [85] 1999-05-10 [86] 1997-11-06 (PCT/DE97/02587) [87] 1998-05-22 (WO98/20721) [30] DE (196 46 676.8) 1996-11-12</p>	<p style="text-align: right;">[21] <b>2,271,285</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H04Q 3/00 6H04M 15/00 6H04M 3/42</b> [25] EN [54] <b>METHOD AND SYSTEM FOR CAPTURING AND RECORDING CALL INFORMATION</b> [54] <b>PROCEDE ET SYSTEME POUR CAPTER ET ENREGISTRER DES INFORMATIONS D'APPELS</b> [72] SCHMIDT, Richard C., US [72] DESAI, Naillesh B., US [71] BELLSOUTH CORPORATION, US [85] 1999-05-10 [86] 1997-10-31 (PCT/US97/19868) [87] 1998-05-22 (WO98/21902) [30] US (08/748,289) 1996-11-13</p>
<p style="text-align: right;">[21] <b>2,271,276</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C07D 207/12 6A61K 31/40</b> [25] EN [54] <b>PURE ENANTIOMER BASIC ARYL-CYCLOALKYL-HYDROXYCARBOXYLIC ACID ESTERS, PROCESS FOR PREPARING THE SAME AND THEIR USE IN MEDICAMENTS</b> [54] <b>ESTERS BASIQUES ENANTIOMERES PURS D'ACIDE ARYL-CYCLOALKYL-HYDROXYCARBOXYLIQUE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION DANS DES MEDICAMENTS</b> [72] ELGERT, Michael (deceased), DE [72] WAELBROECK, Magali, BE [72] MUTSCHLER, Ernst, DE [72] CZECH, Sittah, DE [72] LAMBRECHT, Günter, DE [72] NOE, Christian R., DE [71] MUTSCHLER, Ernst, DE [71] NOE, Christian R., DE [85] 1999-05-10 [86] 1997-11-11 (PCT/AT97/00245) [87] 1998-05-22 (WO98/21183) [30] AT (A 1973/96) 1996-11-11</p>	<p style="text-align: right;">[21] <b>2,271,283</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61B 5/02</b> [25] EN [54] <b>METHOD AND SYSTEM FOR REMOTELY MONITORING MULTIPLE MEDICAL PARAMETERS</b> [54] <b>PROCEDE ET SYSTEME DE TELESURVEILLANCE DE PLUSIEURS PARAMETRES MEDICAUX</b> [72] REUSS, James L., US [72] DUBORE, Renee S., US [72] LAI, Joseph, US [72] PATE, Brian Lewis, US [72] BUYAN, Lawrence A., US [71] CRITICARE SYSTEMS, INC., US [85] 1999-05-10 [86] 1997-11-13 (PCT/US97/21187) [87] 1998-05-22 (WO98/20793) [30] US (08/747,859) 1996-11-13</p>	<p style="text-align: right;">[21] <b>2,271,288</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C07K 7/06 6A61K 38/08</b> [25] EN [54] <b>ANTIVIRAL PEPTIDE DERIVATIVES</b> [54] <b>DERIVES PEPTIDIQUES ANTIVIRAUX</b> [72] HURST, David Nigel, GB [72] WILSON, Francis Xavier, GB [72] RAYNHAM, Tony Michael, GB [72] ATTWOOD, Michael Richard, GB [72] KAY, Paul Brittain, GB [72] JONES, Philip Stephen, GB [71] F.HOFFMANN-LA ROCHE AG, CH [85] 1999-05-12 [86] 1997-11-07 (PCT/EP97/06189) [87] 1998-05-28 (WO98/22496) [30] GB (9623908.2) 1996-11-18</p>
<p style="text-align: right;">[21] <b>2,271,279</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A21C 1/14 6B29B 7/22</b> [25] EN [54] <b>PLANETARY GEAR SYSTEM FOR MIXER</b> [54] <b>SYSTEME D'ENGRENAGE PLANETAIRE POUR MIXEUR</b> [72] XIE, Mark M., US [71] PREMARK FEG L.L.C., US [85] 1999-05-10 [86] 1998-09-15 (PCT/US98/19109) [87] 1999-03-25 (WO99/13728) [30] US (08/929,369) 1997-09-15</p>	<p style="text-align: right;">[21] <b>2,271,284</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F16C 29/06</b> [25] EN [54] <b>LINEAR MOTION BEARING ASSEMBLY</b> [54] <b>ENSEMBLE ROULEMENT A MOUVEMENT LINEAIRE</b> [72] ILIESCU, Danut M., US [72] NG, Alison, US [71] THOMSON INDUSTRIES, INC., US [85] 1999-05-10 [86] 1997-11-12 (PCT/US97/20446) [87] 1998-05-22 (WO98/21494) [30] US (60/030,554) 1996-11-14 [30] US (08/884,196) 1997-06-30</p>	

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[21] **2,271,289**  
[13] A1

[51] **Int.Cl. 6C08G 18/36 6C09D 175/04 6C08G 18/64**  
[25] EN  
[54] **USE OF POLYOLS FOR ISOCYANATE CASTING RESINS AND COATING COMPOUNDS**  
[54] **UTILISATION DE POLYOLS POUR RESINES COULABLES ET MATIERES DE REVETEMENT A BASE D'ISOCYANATE**  
[72] NAGORNY, Ulrich, DE  
[72] GRUETZMACHER, Roland, DE  
[72] HEIDBREDER, Andreas, DE  
[72] WEST-FECHTEL, Alfred, DE  
[71] HENKEL  
KOMMANDITGESELLSCHAFT AUF AKTIEN, DE  
[85] 1999-05-10  
[86] 1997-11-03 (PCT/EP97/06054)  
[87] 1998-05-22 (WO98/21255)  
[30] DE (196 46 424.2) 1996-11-11

[21] **2,271,291**  
[13] A1

[51] **Int.Cl. 6C12N 15/31 6C07K 19/00 6C12P 21/06 6A61K 39/104 6C07K 14/21 6C07K 16/30 6A61K 47/48 6C12N 15/62**  
[25] EN  
[54] **PROTEASE-ACTIVATABLE PSEUDOMONAS EXOTOXIN A-LIKE PROPROTEINS**  
[54] **PROPROTEINES SIMILAIRES A L'EXOTOXINE DE PSEUDOMONAS, POUVANT ETRE ACTIVEES PAR UNE PROTEASE**  
[72] PASTAN, Ira, US  
[72] FITZGERALD, David J., US  
[72] REITER, Yoram, IL  
[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, REPRESENTED BY THE SECRE, US  
[85] 1999-05-06  
[86] 1997-11-05 (PCT/US97/20207)  
[87] 1998-05-14 (WO98/20135)  
[30] US (60/030,376) 1996-11-06

[21] **2,271,292**  
[13] A1

[51] **Int.Cl. 6C11D 7/08 6C11D 7/10 6C11D 7/32 6C11D 7/34**  
[25] EN  
[54] **LIQUID METAL CLEANER FOR AN AQUEOUS SYSTEM**  
[54] **NETTOYANT LIQUIDE POUR METAUX POUR SYSTEME AQUEUX**  
[72] LIBUTTI, Bruce L., US  
[72] MIHELIC, Joseph, US  
[72] HLIVKA, Linda M., US  
[71] ASHLAND INC., US  
[85] 1999-05-10  
[86] 1997-08-27 (PCT/US97/14149)  
[87] 1998-05-22 (WO98/21304)  
[30] US (08/747,872) 1996-11-13

[21] **2,271,294**  
[13] A1

[51] **Int.Cl. 6C12N 15/57 6C12P 21/00 6C12N 15/11 6C07K 16/40 6G01N 33/50 6C12N 9/64 6C12Q 1/68**  
[25] EN  
[54] **CLONING AND CHARACTERIZATION OF NAPSIN, AN ASPARTIC PROTEASE**  
[54] **CLONAGE ET CARACTERISATION DE NAPSINE, UNE PROTEASE ASPARTIQUE**  
[72] TANG, Jordan J. N., US  
[72] KOELSCH, Gerald, US  
[72] LIN, Xinli, US  
[71] OKLAHOMA MEDICAL RESEARCH FOUNDATION, US  
[85] 1999-05-06  
[86] 1997-11-20 (PCT/US97/21684)  
[87] 1998-05-28 (WO98/22597)  
[30] US (60/031196) 1996-11-20  
[30] US (60/046126) 1997-05-09

[21] **2,271,295**  
[13] A1

[51] **Int.Cl. 6H04M 3/22 6H04Q 3/00 6H04M 3/30**  
[25] EN  
[54] **FAULT MANAGEMENT SYSTEM FOR A TELECOMMUNICATIONS NETWORK**  
[54] **SYSTEME DE GESTION DE PANNES POUR RESEAU DE TELECOMMUNICATIONS**  
[72] DEVAN, Ian Robert, GB  
[72] CHASKELL, Andrew David, GB  
[71] BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, GB  
[85] 1999-05-10  
[86] 1997-11-12 (PCT/GB97/03108)  
[87] 1998-05-22 (WO98/21869)  
[30] EP (96308197.1) 1996-11-13

[21] **2,271,297**  
[13] A1

[51] **Int.Cl. 6C25B 9/00 6H01M 4/86**  
[25] EN  
[54] **ELECTROCHEMICAL GASEOUS DIFFUSION HALF CELL**  
[54] **DEMI-CELLULE ELECTROCHIMIQUE A DIFFUSION GAZEUSE**  
[72] GESTERMANN, Fritz, DE  
[72] PINTER, Hans-Dieter, DE  
[72] CAMPHAUSEN, Jens, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 1999-05-10  
[86] 1997-10-31 (PCT/EP97/06030)  
[87] 1998-05-22 (WO98/21384)  
[30] DE (196 46 950.3) 1996-11-13

[21] **2,271,299**  
[13] A1

[51] **Int.Cl. 6C07D 403/14 6C07D 407/14 6C07D 409/14 6C07D 417/14 6A61K 31/40 6A61K 31/415 6A61K 31/425**  
[25] EN  
[54] **BENZOHETEROCYCLIC DISTAMYCIN DERIVATIVES, PROCESS FOR PREPARING THEM, AND THEIR USE AS ANTITUMOR AND ANTIVIRAL AGENTS**  
[54] **DERIVES DE LA DISTAMYCINE BENZO-HETEROCYCLIQUE, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME AGENTS ANTITUMORAUX OU ANTIVIRAUX**  
[72] BERIA, Italo, IT  
[72] ROMAGNOLI, Romeo, IT  
[72] BARALDI, Pier Giovanni, IT  
[72] SPALLUTO, Giampiero, IT  
[72] CALDARELLI, Marina, IT  
[72] COZZI, Paolo, IT  
[72] CAPOLONGO, Laura, IT  
[71] PHARMACIA & UPJOHN S.P.A., IT  
[85] 1999-05-10  
[86] 1997-10-23 (PCT/EP97/05986)  
[87] 1998-05-22 (WO98/21202)  
[30] GB (9623522.1) 1996-11-11

## Demandes PCT entrant en phase nationale

<p style="text-align: right;">[21] <b>2,271,300</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A47L 9/14</b> [25] EN [54] <b>A DUST SEPARATOR</b> [54] <b>SEPARATEUR DE POUSSIERE</b> [72] RYDIN, Anders, SE [72] LILAND, Reidar, SE [71] RYDIN, Anders, SE [71] LILAND, Reidar, SE [85] 1999-05-10 [86] 1997-11-20 (PCT/SE97/01946) [87] 1998-05-28 (WO98/22014) [30] SE (9604267-6) 1996-11-21</p>	<p style="text-align: right;">[21] <b>2,271,304</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61F 9/00 6B06B 1/02</b> [25] EN [54] <b>SYSTEM AND METHOD FOR TUNING AND CONTROLLING AN ULTRASONIC HANDPIECE</b> [54] <b>SYSTEME ET PROCEDE DE SYNTONISATION ET DE COMMANDE D'UNE PIECE A MAIN A ULTRASONS</b> [72] BOUKHNY, Mikhail, US [71] ALCON LABORATORIES, INC., US [85] 1999-05-10 [86] 1997-09-09 (PCT/US97/15942) [87] 1998-06-25 (WO98/26739) [30] US (08/769,257) 1996-12-18</p>	<p style="text-align: right;">[21] <b>2,271,307</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G01W 1/14 6G01W 1/02</b> [25] EN [54] <b>FROZEN PRECIPITATION ACCUMULATION ALERT SYSTEM</b> [54] <b>SYSTEME D'ALERTE POUR PRECIPITATION SOLIDES</b> [72] RASMUSSEN, Roy Martin, US [72] HAGE, Frank William, US [72] WADE, Charles Geoffery, US [72] COLE, Jeff Alan, US [72] ADAMS, Wayne Michael, US [71] UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH, US [85] 1999-05-10 [86] 1997-11-14 (PCT/US97/20839) [87] 1998-05-22 (WO98/21609) [30] US (08/749,508) 1996-11-15</p>
<p style="text-align: right;">[21] <b>2,271,301</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F24J 3/08 6E21B 43/17</b> [25] EN [54] <b>A PLANT FOR EXPLOITING GEOTHERMAL ENERGY</b> [54] <b>INSTALLATION PERMETTANT D'EXPLOITER L'ENERGIE GEOTHERMIQUE</b> [72] MOE, Per H., NO [72] RABBEN, KJELL M., NO [71] MOE, Per H., NO [71] RABBEN, KJELL M., NO [85] 1999-05-10 [86] 1997-11-24 (PCT/NO97/00314) [87] 1998-05-28 (WO98/22760) [30] NO (964971) 1996-11-22</p>	<p style="text-align: right;">[21] <b>2,271,305</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61F 9/007</b> [25] EN [54] <b>LIQUEFACTION HANDPIECE</b> [54] <b>PIECE A MAIN POUR LIQUEFACTION</b> [72] COHEN, Donald M., US [72] CAPETAN, Thomas G., US [71] ALCON LABORATORIES, INC., US [85] 1999-05-10 [86] 1997-10-29 (PCT/US97/19904) [87] 1998-06-18 (WO98/25557) [30] US (08/766,538) 1996-12-11</p>	<p style="text-align: right;">[21] <b>2,271,308</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C08G 83/00 6C08K 9/06</b> [25] EN [54] <b>COMPOSITE MATERIALS</b> [54] <b>MATERIAUX COMPOSITES</b> [72] MENNIG, Martin, DE [72] JONSCHKER, Gerhard, DE [72] ANGENENDT, Rainer, DE [72] SCHMIDT, Helmut, DE [71] INSTITUT FUR NEUE MATERIALIEN GEMEINNUTZIGE GMBH, DE [71] PFLEIDERER DAMMSTOFFTECHNIK INTERNATIONAL GMBH, DE [85] 1999-05-10 [86] 1997-11-14 (PCT/EP97/06371) [87] 1998-05-22 (WO98/21266) [30] DE (196 47 369.1) 1996-11-15</p>
<p style="text-align: right;">[21] <b>2,271,302</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/16 6A61K 7/18</b> [25] EN [54] <b>DENTIFRICE COMPOSITIONS CONTAINING POLYPHOSPHATE AND FLUORIDE</b> [54] <b>COMPOSITIONS DENTIFRICES CONTENANT DU POLYPHOSPHATE ET DU FLUORURE</b> [72] COX, Edward Russell, US [72] McCLANAHAN, Stephen Francis, US [72] GLANDORF, William Michael, US [72] ESTES, Paul Donald, US [72] WHITE, Donald James Jr., US [71] THE PROCTER &amp; GAMBLE COMPANY, US [85] 1999-05-10 [86] 1997-11-18 (PCT/US97/21029) [87] 1998-05-28 (WO98/22079) [30] US (08/754,577) 1996-11-21</p>	<p style="text-align: right;">[21] <b>2,271,306</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 9/10 6A61K 31/09 6A61K 31/135 6A61K 31/165 6A61K 31/19 6A61K 47/36 6A61K 47/38 6A61K 31/44 6A61K 31/485</b> [25] EN [54] <b>PHARMACEUTICAL SUSPENSION SYSTEMS</b> [54] <b>SYSTEMES PHARMACEUTIQUES DE SUSPENSIONS</b> [72] SINGH, Kiran Pal, US [72] POPLI, Shankar D., US [71] AMERICAN HOME PRODUCTS CORPORATION, US [85] 1999-05-10 [86] 1997-12-02 (PCT/US97/21935) [87] 1998-06-11 (WO98/24414) [30] US (08/702,777) 1996-12-05</p>	<p style="text-align: right;">[21] <b>2,271,309</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/42</b> [25] EN [54] <b>HIGH SPF SUNSCREEN FORMULATIONS</b> [54] <b>FORMULATIONS DE FILTRE SOLAIRE A INDICE DE PROTECTION SOLAIRE ELEVE</b> [72] KAPLAN, Carl, US [71] SCHERING-PLOUGH HEALTHCARE PRODUCTS, INC., US [85] 1999-05-10 [86] 1997-11-21 (PCT/US97/20359) [87] 1998-06-04 (WO98/23254) [30] US (08/755,992) 1996-11-25</p>

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[21] **2,271,310**  
[13] A1

[51] **Int.Cl. 6B22C 1/16 6B22C 1/20 6C04B 35/624 6C04B 35/628 6C04B 35/63**  
[25] EN  
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[54] **LIANT DE FONDERIE**  
[72] JONSCHKER, Gerhard, DE  
[72] SCHMIDT, Helmut, DE  
[72] MENNIG, Martin, DE  
[71] INSTITUT FUR NEUE MATERIALIEN GEMEINNUTZIGE GMBH, DE  
[85] 1999-05-10  
[86] 1997-11-14 (PCT/EP97/06373)  
[87] 1998-05-28 (WO98/22241)  
[30] DE (196 47 368.3) 1996-11-15

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[51] **Int.Cl. 6H04M 17/00 6H04M 15/00 6H04Q 3/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PROVIDING PREPAID TELECOMMUNICATIONS SERVICES**  
[54] **PROCEDE ET DISPOSITIF DE FOURNITURE DE SERVICE DE TELECOMMUNICATIONS A PREPAIEMENT**  
[72] LESLEY, Ulf, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 1999-05-10  
[86] 1997-11-04 (PCT/SE97/01835)  
[87] 1998-05-22 (WO98/21874)  
[30] US (08/747,424) 1996-11-12

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[51] **Int.Cl. 6B41M 1/14**  
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[54] **METHOD FOR MANUFACTURING A DISPLAY**  
[54] **PROCEDE DE CREATION D'UN DOCUMENT GRAPHIQUE**  
[72] LOVISON, Douglas I., US  
[71] CROMIUM GRAPHICS INC., US  
[85] 1999-05-10  
[86] 1997-04-29 (PCT/US97/07256)  
[87] 1998-07-09 (WO98/29255)  
[30] US (08/774,906) 1996-12-27

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[13] A1

[51] **Int.Cl. 6H01L 27/07 6H01L 29/735 6H01L 29/739**  
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[54] **LATERAL BIPOLAR FIELD EFFECT MODE HYBRID TRANSISTOR AND METHOD FOR THE SAME**  
[54] **TRANSISTOR BIPOLAIRE HYBRIDE LATERAL A EFFET DE CHAMP ET PROCEDE CORRESPONDANT**  
[72] SODERBÄRG, Anders, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 1999-05-10  
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[87] 1998-05-22 (WO98/21753)  
[30] SE (9604142-1) 1996-11-13

[21] **2,271,315**  
[13] A1

[51] **Int.Cl. 6C08F 10/02 6C08F 4/60**  
[25] EN  
[54] **HIGH ACTIVITY METALLOCENE POLYMERIZATION PROCESS**  
[54] **PROCEDE DE POLYMERISATION CATALYSEE PAR METALLOCENES FORTEMENT ACTIFS**  
[72] MUHLE, Michael E., US  
[72] VAUGHAN, George Alan, US  
[71] EXXON CHEMICAL PATENTS INC., US  
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[86] 1997-12-18 (PCT/US97/22981)  
[87] 1998-07-02 (WO98/28350)  
[30] US (60/033,687) 1996-12-20

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[13] A1

[51] **Int.Cl. 6A41B 11/00**  
[25] EN  
[54] **ENHANCED FRICTIONAL ENGAGEMENT SOCK**  
[54] **CHAUSSETTE A CONTACT PAR FROTTEMENT AMELIORE**  
[72] OGDEN, J. Michael, US  
[71] OGDEN & COMPANY, INC., US  
[85] 1999-05-10  
[86] 1997-11-07 (PCT/US97/20427)  
[87] 1998-05-22 (WO98/20758)  
[30] US (747,333) 1996-11-12

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[13] A1

[51] **Int.Cl. 6B05B 13/04 6E04D 11/02 6E04D 15/06**  
[25] EN  
[54] **SPRAY APPLICATOR FOR ROOFING AND OTHER SURFACES**  
[54] **APPLICATEUR PULVERISATEUR POUR TOITURES ET AUTRES SURFACES**  
[72] HUNTER, John P., Jr., US  
[71] HUNTER, John P., Jr., US  
[85] 1999-05-10  
[86] 1997-11-14 (PCT/US97/20938)  
[87] 1998-05-22 (WO98/20982)  
[30] US (60/030,914) 1996-11-14

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[13] A1

[51] **Int.Cl. 6G01N 33/68**  
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[54] **DIAGNOSIS OF PRION DISEASES**  
[54] **DIAGNOSTIC DE MALADIES A PRIONS**  
[72] PEARCE, Christopher D. J., GB  
[72] HOCHSTRASSER, Denis François, CH  
[71] PROTEOME SCIENCES PLC, GB  
[85] 1999-05-10  
[86] 1997-11-24 (PCT/GB97/03135)  
[87] 1998-06-04 (WO98/23962)  
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[21] **2,271,325**  
[13] A1

[51] **Int.Cl. 6C12N 15/88 6C07H 21/00 6C07H 21/02 6C07H 21/04 6A61K 9/127 6A61K 9/66**  
[25] EN  
[54] **PREPARATION OF STABLE FORMULATIONS OF LIPID-NUCLEIC ACID COMPLEXES FOR EFFICIENT IN VIVO DELIVERY**  
[54] **PREPARATION DE FORMULATIONS STABLES DE COMPLEXES DE TYPE LIPIDE-ACIDE NUCLEIQUE POUR UNE ADMINISTRATION EFFICACE IN VIVO**  
[72] HONG, Keelung, US  
[72] PAPAHDJOPOULOS, Demetrios, US  
[72] ZHENG, Weiwen, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
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[87] 1998-05-22 (WO98/20857)  
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[54] **OBTURATEUR UNIVERSEL**  
[72] CONSTABLE, Kevin N., US  
[71] SMITHKLINE BEECHAM CORPORATION, US  
[85] 1999-05-10  
[86] 1997-11-12 (PCT/US97/20447)  
[87] 1998-05-22 (WO98/21109)  
[30] US (60/030,859) 1996-11-12

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[13] A1

[51] **Int.Cl. 6C07C 17/20 6C07C 19/08 6C07C 17/087**  
[25] EN  
[54] **LIQUID PHASE CATALYTIC FLUORINATION OF HYDROCHLOROCARBON AND HYDROCHLOROFLUOROCARBON**  
[54] **FLUORATION CATALYTIQUE EN PHASE LIQUIDE D'HYDROCHLOROCARBURE ET D'HYDROCHLOROFLUOROCARBURE**

[72] BELL, Robert L., US  
[72] TUNG, Hsueh S., US  
[72] THENAPPAN, Alagappan, US  
[71] ALLIEDSIGNAL INC., US  
[85] 1999-05-10  
[86] 1997-11-12 (PCT/US97/20448)  
[87] 1998-05-22 (WO98/21171)  
[30] US (08/744,157) 1996-11-12

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[13] A1

[51] **Int.Cl. 6C07C 17/20 6C07B 39/00 6C07C 25/00 6C07F 3/02 6C07F 5/02**  
[25] EN  
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[54] **REACTIONS DE SUBSTITUTION D'HALOGENES ET LEURS UTILISATIONS**

[72] NAZARENKO, Tatjana, US  
[72] OWENS, David W., US  
[72] BALHOFF, John F., US  
[72] DEEV, Leonid, US  
[72] PODSEVALOV, Pavel, US  
[72] BILDINOV, Igor, US  
[71] ALBEMARLE CORPORATION, US  
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[86] 1997-11-21 (PCT/US97/21629)  
[87] 1998-05-28 (WO98/22413)  
[30] US (754,338) 1996-11-22  
[30] US (756,105) 1996-11-25

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[13] A1

[51] **Int.Cl. 6C08F 4/603 6C08F 10/00 6C07F 5/02**  
[25] EN  
[54] **CATALYST COMPONENT DISPERSION COMPRISING AN IONIC COMPOUND AND SOLID ADDITION POLYMERIZATION CATALYSTS CONTAINING THE SAME**  
[54] **DISPERSION DE COMPOSANTS DE CATALYSEUR CONTENANT UN COMPOSE IONIQUE ET CATALYSEURS DE POLYMERISATION PAR ADDITION SOLIDE RENFERMANT CETTE DISPERSION**

[72] JACOBSEN, Grant B., US  
[72] STEVENS, Theo J. P., BE  
[72] LOIX, Pierre H. H., BE  
[71] THE DOW CHEMICAL COMPANY, US  
[85] 1999-05-10  
[86] 1997-12-01 (PCT/US97/21875)  
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[51] **Int.Cl. 6A61K 33/24**  
[25] EN  
[54] **COMPOSITIONS FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS CONTAINING BISMUTH AND NSAID**  
[54] **COMPOSITIONS ET METHODES POUR TRAITER DES TROUBLES GASTRO-INTESTINAUX**

[72] KAUNITZ, Jonathan Davidson, US  
[72] CARRYL, Owen Rickford, US  
[72] TANAKA, Shin, JP  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-05-11  
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[87] 1998-05-28 (WO98/22118)  
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[13] A1

[51] **Int.Cl. 6G03F 7/075 6C08F 32/08 6H01B 3/30**  
[25] EN  
[54] **PHOTODEFINABLE DIELECTRIC COMPOSITIONS**  
[54] **COMPOSITIONS DIELECTRIQUES PHOTODEFINISSABLES**

[72] GOODALL, Brian L., US  
[72] SHICK, Robert A., US  
[72] JAYARAMAN, Saikumar, US  
[72] ELCE, Edmund, US  
[71] THE B.F. GOODRICH COMPANY, US  
[85] 1999-05-11  
[86] 1997-11-04 (PCT/US97/20032)  
[87] 1998-05-14 (WO98/20394)  
[30] US (60/030,410) 1996-11-04

[21] **2,271,383**  
[13] A1

[51] **Int.Cl. 6B42C 9/00 6B42C 11/00**  
[25] EN  
[54] **A COVER INTENDED FOR THE FABRICATION OF A BOOKLET, A METHOD OF HANDLING SUCH COVERS, AND A METHOD OF FABRICATING SUCH BOOKLETS**  
[54] **COUVERTURE DESTINEE A LA FABRICATION DE LIVRETS, PROCEDE DE MANUTENTION DE CES COUVERTURES ET PROCEDE DE FABRICATION DE TELS LIVRETS**

[72] SABELSTROM, Jan, SE  
[71] BINDOMATIC AB, SE  
[85] 1999-05-10  
[86] 1997-11-10 (PCT/SE97/01877)  
[87] 1998-05-22 (WO98/21049)  
[30] SE (9604126-4) 1996-11-11

[21] **2,271,384**  
[13] A1

[51] **Int.Cl. 6D21H 23/10 6D21H 21/20**  
[25] EN  
[54] **METHOD FOR MAKING WET STRENGTH PAPER**  
[54] **PROCEDE DE FABRICATION DE PAPIER RESISTANT A L'ETAT HUMIDE**

[72] SUN, Tong, US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[85] 1999-05-11  
[86] 1997-11-25 (PCT/US97/21414)  
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<p style="text-align: center;">[21] <b>2,271,386</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C11D 7/50 6C11D 3/20 6C11D 3/39 6C11D 3/43 6C11D 3/48</b> [25] EN [54] <b>AQUEOUS DISINFECTING CLEANING COMPOSITION</b> [54] <b>COMPOSITION DE NETTOYAGE DESINFECTANTE AQUEUSE</b> [72] MAYERHAUSER, George Robert, US [72] MONTICELLO, Michael Vincent, US [71] RECKITT &amp; COLMAN INC., US [85] 1999-05-10 [86] 1997-09-10 (PCT/US97/16101) [87] 1998-05-22 (WO98/21305) [30] GB (9623473.7) 1996-11-12</p>	<p style="text-align: center;">[21] <b>2,271,389</b> [13] A1</p> <p>[51] <b>Int.Cl. 6D21H 11/04 6D21H 19/20</b> [25] EN [54] <b>PEEL PACK PAPER</b> [54] <b>PAPIER D'EMBALLAGE DECOLLABLE</b> [72] KAPIK, Rene Howard, US [72] SCOTT, Michael Joseph, US [72] WEBER, Robert Emil, US [72] COHEN, Bernard, US [71] KIMBERLY-CLARK WORLDWIDE, INC., US [85] 1999-05-11 [86] 1997-12-05 (PCT/US97/22363) [87] 1998-06-11 (WO98/24970) [30] US (08/764,103) 1996-12-06</p>	<p style="text-align: center;">[21] <b>2,271,415</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H01H 3/02 6H01H 13/68</b> [25] EN [54] <b>ELECTRIC CIRCUIT ACTUATING MECHANISM</b> [54] <b>MECANISME D'ACTIONNEMENT DE CIRCUIT ELECTRIQUE</b> [72] REITER, John P., US [71] REITECH CORPORATION, US [85] 1999-05-11 [86] 1997-11-12 (PCT/US97/20588) [87] 1998-05-22 (WO98/21732) [30] US (08/747,372) 1996-11-12 [30] US (08/907,560) 1997-08-08</p>
<p style="text-align: center;">[21] <b>2,271,387</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A01N 37/18 6A61K 7/40</b> [25] EN [54] <b>INSECT REPELLENT EMULSIONS</b> [54] <b>EMULSIONS REPULSIVES POUR INSECTES</b> [72] ROSS, Jamie S., US [71] SCHERING-PLOUGH HEALTHCARE PRODUCTS, INC., US [85] 1999-05-11 [86] 1997-11-21 (PCT/US97/20358) [87] 1998-06-04 (WO98/23150) [30] US (08/756,736) 1996-11-26</p>	<p style="text-align: center;">[21] <b>2,271,412</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B32B 15/00</b> [25] EN [54] <b>PHOTOVOLTAIC DEVICE AND ITS METHOD OF PREPARATION</b> [54] <b>DISPOSITIF PHOTOVOLTAIQUE ET PROCEDE DE PREPARATION</b> [72] SHELDON, Peter, US [72] WU, Xuanzhi, US [72] COUTTS, Timothy J., US [72] ROSE, Douglas H., US [71] MIDWEST RESEARCH INSTITUTE, US [85] 1999-05-11 [86] 1997-11-18 (PCT/US97/21090) [87] 1998-10-29 (WO98/47702) [30] US (08/746,798) 1996-11-18</p>	<p style="text-align: center;">[21] <b>2,271,418</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B65D 83/00</b> [25] EN [54] <b>GAS GENERATING UNIT</b> [54] <b>UNITE GENERATRICE DE GAZ</b> [72] SPRUYT, Michael Felix, BE [72] VOS, Eddy, BE [71] THE PROCTER &amp; GAMBLE COMPANY, US [85] 1999-05-11 [86] 1997-11-18 (PCT/US97/21139) [87] 1998-06-04 (WO98/23504) [30] EP (96870149.0) 1996-11-25</p>

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[13] A1

[51] **Int.Cl. 6A61K 7/16 6A61K 7/18**  
[25] EN  
[54] **DENTIFRICE COMPOSITIONS CONTAINING POLYPHOSPHATE AND MONOFLUOROPHOSPHATE**  
[54] **COMPOSITIONS POUR DENTIFRICE CONTENANT DU POLYPHOSPHATE ET DU MONOFLUOROPHOSPHATE**  
[72] COX, Edward Russell, US  
[72] WHITE, Donald James Jr., US  
[72] McCLANAHAN, Stephen Francis, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-05-11  
[86] 1997-11-18 (PCT/US97/21050)  
[87] 1998-05-28 (WO98/22080)  
[30] US (08/754,439) 1996-11-21

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[13] A1

[51] **Int.Cl. 6C07C 57/05 6C07C 255/08 6C07C 253/24**  
[25] EN  
[54] **PROCESS FOR THE SIMULTANEOUS PREPARATION OF ACRYLONITRILE AND ACRYLIC ACID**  
[54] **PROCEDE D'ELABORATION SIMULTANEE D'ACRYLONITRILE ET D'ACIDE ACRYLIQUE**  
[72] KAYOU, Atsushi, JP  
[72] IHARA, Tatsuya, JP  
[71] MITSUBISHI CHEMICAL CORPORATION, JP  
[85] 1999-05-11  
[86] 1997-11-17 (PCT/JP97/04169)  
[87] 1998-05-28 (WO98/22421)  
[30] JP (8/304502) 1996-11-15

[21] **2,271,435**  
[13] A1

[51] **Int.Cl. 6F27B 1/21 6F27D 3/00 6F27D 3/08 6B65G 65/46**  
[25] EN  
[54] **DEVICE FOR DISCHARGING OR MIXING LUMP MATERIALS**  
[54] **DISPOSITIF POUR DECHARGER OU MELANGER DES PRODUITS EN MORCEAUX**  
[72] ROSENFELLNER, Gerald, AT  
[72] WALLNER, Felix, AT  
[72] KEPPLINGER, Leopold Werner, AT  
[71] VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH, AT  
[85] 1999-05-11  
[86] 1997-11-07 (PCT/AT97/00243)  
[87] 1998-05-22 (WO98/21537)  
[30] AT (A 1977/96) 1996-11-12

[21] **2,271,440**  
[13] A1

[51] **Int.Cl. 6B01D 21/26 6A61M 1/00**  
[25] EN  
[54] **BIOLOGICAL FLUID PROCESSING**  
[54] **TRAITEMENT DE LIQUIDES BIOLOGIQUES**  
[72] WENZ, Barry, US  
[72] ANGELBECK, Judy, US  
[71] PALL CORPORATION, US  
[85] 1999-05-11  
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[87] 1998-07-02 (WO98/28057)  
[30] US (60/034,145) 1996-12-24

[21] **2,271,447**  
[13] A1

[51] **Int.Cl. 6A61K 38/13 6A61K 9/20 6A61K 47/20**  
[25] EN  
[54] **SOLID PHARMACEUTICAL COMPOSITIONS COMPRISING A CYCLOSPORIN AND AN ANIONIC SURFACTANT**  
[54] **COMPOSITIONS PHARMACEUTIQUES SOLIDES COMPRENANT UNE CICLOSPORINE ET UN TENSIOACTIF ANIONIQUE**  
[72] SHERMAN, Bernard Charles, CA  
[71] SHERMAN, Bernard Charles, CA  
[85] 1999-05-06  
[86] 1998-09-16 (PCT/CA98/00880)  
[87] 1999-03-25 (WO99/13900)  
[30] NZ (328751) 1997-09-16

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[13] A1

[51] **Int.Cl. 6G01N 33/98 6A61B 10/00**  
[25] EN  
[54] **DERMAL PATCH FOR DETECTING LONG-TERM ALCOHOL CONSUMPTION AND METHOD OF USE**  
[54] **TIMBRE DERMIQUE DESTINE A DETECTER UNE CONSOMMATION PROLONGEE D'ALCOOL ET PROCEDE D'UTILISATION ASSOCIE**  
[72] MILLER, William R., US  
[72] SCHOENDORFER, Donald W., US  
[71] SUDOR PARTNERS, US  
[85] 1999-05-11  
[86] 1997-11-07 (PCT/US97/20486)  
[87] 1998-05-22 (WO98/21578)  
[30] US (08/747,304) 1996-11-12

[21] **2,271,463**  
[13] A1

[51] **Int.Cl. 6G11B 20/10**  
[25] EN  
[54] **SOUND PROCESSING METHOD, SOUND PROCESSOR, AND RECORDING/REPRODUCTION DEVICE**  
[54] **PROCEDE DE TRAITEMENT DE SONS, PROCESSEUR DE SONS, ET DISPOSITIF D'ENREGISTREMENT/DE REPRODUCTION**  
[72] TAKAGI, Tohru, JP  
[72] SEIYAMA, Nobumasa, JP  
[72] IMAI, Atsushi, JP  
[71] NIPPON HOSO KYOKAI, JP  
[85] 1999-05-11  
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[30] JP (9/249220) 1997-09-12



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<p style="text-align: right;">[21] <b>2,271,465</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61L 15/46 6A61L 15/60</b> [25] EN [54] <b>ANTIMICROBIAL-COATED HYDROGEL FORMING ABSORBENT POLYMERS</b> [54] <b>POLYMERES ABSORBANTS ENDUITS D'AGENTS ANTIMICROBIENS ET PERMETTANT D'OBTENIR DES HYDROGELS</b> [72] REZAI, Ebrahim, JP [72] NAKAMURA, Reiko, JP [72] HSUEH, Kesyin Fugger, JP [72] SHIMIZU, Motohiro, JP [72] KIM, Sang-Tae, JP [71] THE PROCTER &amp; GAMBLE COMPANY, US [85] 1999-05-12 [86] 1996-11-14 (PCT/US96/18079) [87] 1998-05-22 (WO98/20916)</p>	<p style="text-align: right;">[21] <b>2,271,468</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 39/04 6A61K 38/02 6C07K 14/35</b> [25] EN [54] <b>MYCOBACTERIUM CELL WALL COMPOSITIONS</b> [54] <b>COMPOSITIONS DE PAROI CELLULAIRE DE MYCOBACTERIES</b> [72] BAXTER, Alan George, AU [71] CENTENARY INSTITUTE OF CANCER MEDICINE AND CELL BIOLOGY, AT [85] 1999-05-12 [86] 1997-11-13 (PCT/AU97/00770) [87] 1998-05-22 (WO98/20900) [30] AU (P03593/96) 1996-11-13</p>	<p style="text-align: right;">[21] <b>2,271,471</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61M 1/06</b> [25] EN [54] <b>BREAST PUMP</b> [54] <b>TIRE-LAIT</b> [72] NORDVIK, Tone, NO [71] NORDVIK, Tone, NO [85] 1999-05-12 [86] 1997-11-07 (PCT/NO97/00293) [87] 1998-05-28 (WO98/22160) [30] NO (964791) 1996-11-12 [30] NO (974492) 1997-09-29</p>
<p style="text-align: right;">[21] <b>2,271,466</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C11D 1/52 6C11D 3/20 6C11D 3/37 6C11D 3/43</b> [25] EN [54] <b>HARD SURFACE CLEANER</b> [54] <b>PRODUIT SERVANT A NETTOYER DES SURFACES DURES</b> [72] WIGLEY, Susan, GB [72] BEDFORD, David, GB [71] RECKITT &amp; COLMAN PRODUCTS LIMITED, GB [85] 1999-05-12 [86] 1997-11-14 (PCT/GB97/03133) [87] 1998-05-28 (WO98/22562) [30] GB (9623823.3) 1996-11-16</p>	<p style="text-align: right;">[21] <b>2,271,469</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A62B 9/02</b> [25] EN [54] <b>SELF CONTAINED BREATHING APPARATUS</b> [54] <b>APPAREIL RESPIRATOIRE AUTONOME</b> [72] GIORGINI, Eugene, US [71] SCOTT TECHNOLOGIES, INC., US [85] 1999-05-12 [86] 1998-03-27 (PCT/US98/06158) [87] 1998-10-08 (WO98/43705) [30] US (60/041,955) 1997-04-03</p>	<p style="text-align: right;">[21] <b>2,271,472</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H04M 3/42 6H04M 3/48</b> [25] EN [54] <b>APPARATUS AND METHOD FOR SCHEDULING A TELEPHONE CALL</b> [54] <b>PROCEDE ET APPAREIL DE PROGRAMMATION D'UN APPEL TELEPHONIQUE</b> [72] CHOW, Jackson Hsi Yung, US [72] KING, Neal J., US [72] JACOBI, Eli, US [72] DEAN, Matthew T., US [72] SASSIN, Michael, US [71] SIEMENS BUSINESS COMMUNICATION SYSTEMS, INC., US [85] 1999-05-12 [86] 1997-10-21 (PCT/US97/18990) [87] 1998-05-22 (WO98/21870) [30] US (08/746,690) 1996-11-14</p>
<p style="text-align: right;">[21] <b>2,271,467</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B32B 31/08</b> [25] EN [54] <b>EMBOSSSED WET-LAID FIBROUS STRUCTURES</b> [54] <b>STRUCTURES FIBREUSES GAUFREES OBTENUES PAR VOIE HUMIDE</b> [72] ROBINSON, Douglas Edgar, DE [71] THE PROCTER &amp; GAMBLE COMPANY, US [85] 1999-05-12 [86] 1997-11-13 (PCT/US97/20567) [87] 1998-05-28 (WO98/22284) [30] EP (96118487.6) 1996-11-19 [30] EP (96120452.6) 1996-12-19</p>	<p style="text-align: right;">[21] <b>2,271,470</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G05B 11/01 6F21V 33/00 6G05B 19/18</b> [25] EN [54] <b>STAGE EFFECT CONTROL METHOD AND APPARATUS</b> [54] <b>PROCEDE ET APPAREIL DE GESTION DES EFFETS DE SCENE</b> [72] WYATT, Michael K., US [72] HENNESSEY, John M., US [71] PRODUCTION RESOURCE GROUP, L.L.C., US [85] 1999-05-12 [86] 1997-11-20 (PCT/US97/21804) [87] 1998-06-11 (WO98/25197) [30] US (08/752,856) 1996-11-21</p>	<p style="text-align: right;">[21] <b>2,271,473</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G02B 1/11</b> [25] EN [54] <b>OPTICAL TRANSPARENCY HAVING A DIFFUSE ANTIREFLECTION COATING AND PROCESS FOR MAKING IT</b> [54] <b>DIAPOSITIVE OPTIQUE POSSEDANT UN REVETEMENT ANTIREFLECHISSANT DIFFUS ET SON PROCEDE DE FABRICATION</b> [72] YAN, Yongan, US [72] SATO, Yoshitake, US [72] SARKAR, Arnab, US [72] CHEN, Din-Guo, US [71] YAZAKI CORPORATION, JP [85] 1999-05-11 [86] 1997-11-12 (PCT/US97/21203) [87] 1998-05-22 (WO98/21610) [30] US (08/747,590) 1996-11-12</p>

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[21] **2,271,474**  
[13] A1

[51] **Int.Cl. 6H04B 7/26 6H04B 1/707**  
[25] EN  
[54] **DESPREADING OF DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATIONS SIGNALS**  
[54] **DESETALEMENT DE SIGNAUX DE COMMUNICATIONS A SPECTRE ETALE A SEQUENCE DIRECTE**  
[72] CHENNAKESHU, Sandeep, US  
[72] DENT, Paul W., US  
[72] RAMESH, Rajaram, US  
[72] BOTTOMLEY, Gregory E., US  
[71] ERICSSON INC., US  
[85] 1999-05-12  
[86] 1997-11-12 (PCT/US97/19843)  
[87] 1998-05-22 (WO98/21842)  
[30] US (08/748,755) 1996-11-14

[21] **2,271,475**  
[13] A1

[51] **Int.Cl. 6A61K 31/557 6C07D 307/93**  
[25] EN  
[54] **CERVICAL RIPENING AGENT**  
[54] **AGENT DE MATURATION CERVICAL**  
[72] OCHI, Yasuo, JP  
[72] YAMADA, Naohiro, JP  
[72] WAKITA, Hisanori, JP  
[72] MORIYAMA, Masami, JP  
[71] TORAY INDUSTRIES, INC., JP  
[85] 1999-05-11  
[86] 1998-09-16 (PCT/JP98/04165)  
[87] 1999-03-25 (WO99/13881)  
[30] JP (9/252505) 1997-09-17

[21] **2,271,476**  
[13] A1

[51] **Int.Cl. 6A61M 5/19 6A61M 5/31**  
[25] EN  
[54] **MEMBRANE AND A CHAMBER OF A DRUG DELIVERY DEVICE**  
[54] **MEMBRANE ET CHAMBRE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**  
[72] FRIIS, Jørgen, DK  
[72] HORPPU, Petri, SE  
[71] ASTRA AKTIEBOLAG, SE  
[71] DANAPAK FLEXIBEL A/S, DK  
[85] 1999-05-12  
[86] 1997-11-10 (PCT/SE97/01876)  
[87] 1998-05-22 (WO98/20921)  
[30] SE (9604162-9) 1996-11-13

[21] **2,271,477**  
[13] A1

[51] **Int.Cl. 6C05C 11/00**  
[25] EN  
[54] **FERTILIZER COMPOSITIONS INCLUDING CHELATED METAL IONS**  
[54] **COMPOSITIONS D'ENGRAIS CONTENANT DES IONS METAL CHELATES**  
[72] DEAN, Frank W., US  
[71] STOLLER ENTERPRISES, INC., US  
[85] 1999-05-11  
[86] 1997-11-13 (PCT/US97/21180)  
[87] 1998-05-22 (WO98/21166)  
[30] US (60/030,168) 1996-11-13

[21] **2,271,478**  
[13] A1

[51] **Int.Cl. 6C07H 21/04 6A61K 38/00 6C07K 5/00 6A61K 35/12**  
[25] EN  
[54] **TISSUE SPECIFIC EXPRESSION OF RETINOBLASTOMA PROTEIN**  
[54] **EXPRESSION SPECIFIQUE TISSULAIRE DE LA PROTEINE DU RETINOBLASTOME**  
[72] ANTELMAN, Douglas, US  
[72] GREGORY, Richard J., US  
[72] WILLS, Kenneth N., US  
[71] CANJI, INC., US  
[85] 1999-05-12  
[86] 1997-11-13 (PCT/US97/21821)  
[87] 1998-05-22 (WO98/21228)  
[30] US (08/751,517) 1996-11-15  
[30] US (08/801,092) 1997-02-14

[21] **2,271,479**  
[13] A1

[51] **Int.Cl. 6H03B 5/32**  
[25] EN  
[54] **APPARATUS FOR TRACKING RESONANT FREQUENCY**  
[54] **DISPOSITIF DE POURSUITE DE LA FREQUENCE DE RESONANCE**  
[72] LONSDALE, Anthony, GB  
[72] LONSDALE, Bryan, GB  
[71] LONSDALE, Anthony, GB  
[71] LONSDALE, Bryan, GB  
[85] 1999-05-12  
[86] 1997-11-13 (PCT/GB97/03028)  
[87] 1998-05-22 (WO98/21818)  
[30] AU (PO3590) 1996-11-13

[21] **2,271,480**  
[13] A1

[51] **Int.Cl. 6H04N 1/327 6H04Q 7/22 6H04Q 7/32 6H04M 1/72**  
[25] EN  
[54] **METHOD AND APPARATUS FOR DETECTING A FACSIMILE TRANSMISSION**  
[54] **PROCEDE ET APPAREIL POUR DETECTER LA TRANSMISSION DE FAC-SIMILES**  
[72] JOHN, Johnny K., US  
[72] SIH, Gilbert C., US  
[71] QUALCOMM INCORPORATED, US  
[85] 1999-05-12  
[86] 1997-11-13 (PCT/US97/20757)  
[87] 1998-05-22 (WO98/21879)  
[30] US (08/751,190) 1996-11-15

[21] **2,271,481**  
[13] A1

[51] **Int.Cl. 6B65D 51/28**  
[25] EN  
[54] **PRIZE-HOLDING BOTTLE CLOSURE**  
[54] **FERMETURE DE BOUTEILLE CONTENANT UN LOT**  
[72] WILLINGHAM, Wendell D., US  
[72] URMSTON, Hugh C., US  
[72] DENMAN, Daniel J., US  
[72] WILDE, Sheldon L., US  
[72] CERNY, David L., US  
[72] McBRIDE, Stephen W., US  
[72] BOEHM, Ted W., US  
[72] WHITNEY, Ralph H., US  
[71] ALCOA CLOSURE SYSTEMS INTERNATIONAL, INC., US  
[85] 1999-05-12  
[86] 1997-11-04 (PCT/US97/20081)  
[87] 1998-05-22 (WO98/21114)  
[30] US (08/746,773) 1996-11-15

## PCT Applications Entering the National Phase

<p style="text-align: right;">[21] <b>2,271,482</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C08L 23/04 6C08J 5/18 6B32B 27/32</b> [25] EN [54] <b>POLYOLEFIN COMPOSITIONS WITH BALANCED SEALANT PROPERTIES AND IMPROVED MODULUS AND METHOD FOR SAME</b> [54] <b>COMPOSITIONS DE POLYOLEFINE A PROPRIETES D'ETANCHEITE EQUILIBREES ET A MODULE AMELIORE ET PROCEDE CORRESPONDANT</b> [72] VAN DUN, Jozef J., BE [72] OSWALD, Thomas T., US [72] DEKUNDER, Staci A., US [72] DEGROOT, Jacquelyn A., US [72] KALE, Lawrence T., US [72] BOSIERS, Luc, BE [72] CHUM, Pak-Wing Steve, US [71] THE DOW CHEMICAL COMPANY, US [85] 1999-05-12 [86] 1997-11-13 (PCT/US97/20574) [87] 1998-05-22 (WO98/21274) [30] US (08/748,321) 1996-11-13 [30] US (08/880,006) 1997-06-20</p>	<p style="text-align: right;">[21] <b>2,271,484</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61F 13/15</b> [25] EN [54] <b>ABSORBENT ARTICLE HAVING A FLUID PUMPING ELEMENT</b> [54] <b>ARTICLE ABSORBANT PRESENTANT UN ELEMENT POMPANT LES LIQUIDES</b> [72] REITER, Godfrey, US [72] BURCHNALL, John Billings, US [71] THE PROCTER &amp; GAMBLE COMPANY, US [85] 1999-05-12 [86] 1997-11-18 (PCT/US97/21138) [87] 1998-05-28 (WO98/22063) [30] US (08/746,934) 1996-11-18</p>	<p style="text-align: right;">[21] <b>2,271,487</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A01N 43/24 6A01N 25/28</b> [25] EN [54] <b>ENDOSULFAN MICROCAPSULE DISPERSION</b> [54] <b>DISPERSION DE MICROCAPSULES D'ENDOSULFAN</b> [72] KRAUSE, Hans-Peter, DE [72] BREMMER, Jan Nicolaas, DE [72] MAIER, Thomas, DE [71] HOECHST SCHERING AGREVO GMBH, DE [85] 1999-05-12 [86] 1997-11-03 (PCT/EP97/06053) [87] 1998-05-22 (WO98/20737) [30] DE (196 46 880.9) 1996-11-13</p>
<p style="text-align: right;">[21] <b>2,271,483</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61F 13/15</b> [25] EN [54] <b>ABSORBENT PRODUCTS, AND APPARATUS AND METHOD FOR PRODUCING THE SAME</b> [54] <b>ARTICLES ABSORBANTS ET APPAREIL ET PROCEDE POUR LES PRODUIRE</b> [72] REITER, Godfrey, US [72] BURCHNALL, John Billings, US [71] THE PROCTER &amp; GAMBLE COMPANY, US [85] 1999-05-12 [86] 1997-11-18 (PCT/US97/21140) [87] 1998-05-28 (WO98/22064) [30] US (08/752,163) 1996-11-18</p>	<p style="text-align: right;">[21] <b>2,271,485</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B65D 5/468</b> [25] EN [54] <b>PROTECTIVE DEVICE FOR CONTAINER HANDHOLD OPENINGS</b> [54] <b>DISPOSITIF DE PROTECTION POUR LES OUVERTURES SERVANT DE POIGNEES A DES CAISSES EN CARTON</b> [72] McCARTHY, Lynn J., US [72] SAINZ, Raymond R., US [72] SAINZ, Joseph S., US [71] CAPITOL PACKAGING CORPORATION, US [85] 1999-05-12 [86] 1997-11-17 (PCT/US97/20932) [87] 1998-05-22 (WO98/21105) [30] US (08/751,003) 1996-11-15</p>	<p style="text-align: right;">[21] <b>2,271,488</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61F 13/56 6A61F 13/15</b> [25] EN [54] <b>RELEASABLE COVER ARRANGEMENT FOR FASTENERS ON ABSORBENT ARTICLES</b> [54] <b>SYSTEME DE COUVERTURE DETACHABLE POUR LES FIXATIONS D'ARTICLES ABSORBANTS</b> [72] BROWN, Robert Alan, US [72] HINES, Letha Margie, US [72] SNAUWAERT, Sofie Gilberte, US [72] LINMAN, Elmer Kelly, US [72] FARRIS, Diane Dunn, US [71] THE PROCTER &amp; GAMBLE COMPANY, US [85] 1999-05-12 [86] 1997-11-06 (PCT/US97/20110) [87] 1998-05-22 (WO98/20823) [30] US (08/747,243) 1996-11-13</p>
<p style="text-align: right;">[21] <b>2,271,486</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G02B 5/128</b> [25] EN [54] <b>RECTROREFLECTIVE SHEET</b> [54] <b>FEUILLES REFLECHISSANTES</b> [72] MORI, Yutaka, JP [71] MINNESOTA MINING AND MANUFACTURING COMPANY, US [85] 1999-05-12 [86] 1997-11-18 (PCT/US97/21082) [87] 1998-05-28 (WO98/22837) [30] JP (307821/96) 1996-11-19</p>		

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<p style="text-align: right;">[21] <b>2,271,489</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C21C 5/36 6C22B 7/04</b> [25] EN [54] <b>STEEL SLAG AND FERRIFEROUS MATERIAL REPROCESSING PROCESS USEFUL TO PRODUCE PIG IRON AND ENVIRONMENTALLY COMPATIBLE SLAGS</b> [54] <b>PROCEDE DE RETRAITEMENT DE LAITIERS D'ACIER ET DE MATERIAUX FERRIFERES POUR L'OBTENTION DE FONTE BRUTE ET DE LAITIERS NON-POLLUANTS</b> [72] EDLINGER, Alfred, CH [71] "HOLDERBANK" FINANCIERE GLARUS AG, CH [85] 1999-05-12 [86] 1998-09-08 (PCT/AT98/00210) [87] 1999-03-25 (WO99/14381) [30] AT (A 1546/97) 1997-09-15 [30] AT (GM 131/98) 1998-03-05</p>	<p style="text-align: right;">[21] <b>2,271,492</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G06K 9/00</b> [25] EN [54] <b>METHOD AND SYSTEM FOR IMAGING AN OBJECT OR PATTERN</b> [54] <b>PROCEDE ET SYSTEME D'IMAGERIE D'UN OBJET OU D'UN MOTIF</b> [72] STERN, Howard, US [72] MAALI, Fereydoun, US [71] ROBOTIC VISION SYSTEMS, INC., US [85] 1999-05-11 [86] 1997-11-07 (PCT/US97/20432) [87] 1998-05-22 (WO98/21687) [30] US (08/748,040) 1996-11-12</p>	<p style="text-align: right;">[21] <b>2,271,569</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 9/52</b> [25] EN [54] <b>PHARMACEUTICAL DOSAGE FORM WITH MULTIPLE ENTERIC POLYMER COATINGS FOR COLONIC DELIVERY</b> [54] <b>FORME GALENIQUE PHARMACEUTIQUE COMPORTANT DES REVETEMENTS ENTERIQUES POLYMERES MULTIPLES POUR ADMINISTRATION DANS LE COLON</b> [72] KELM, Gary Robert, US [72] MANRING, Gary Lee, US [71] THE PROCTOR &amp; GAMBLE COMPANY, US [85] 1999-05-11 [86] 1996-11-15 (PCT/US96/18258) [87] 1998-05-28 (WO98/22096)</p>
<p style="text-align: right;">[21] <b>2,271,490</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B01D 65/08 6B01D 61/04 6C02F 5/12 6B01D 61/16</b> [25] EN [54] <b>INHIBITION AND DELAY OF DEPOSIT FORMATION IN MEMBRANE PROCESSES</b> [54] <b>INHIBITION ET RALENTISSEMENT DE LA FORMATION DE DEPOTS DANS DES PROCESSUS MEMBRANAIRES</b> [72] GROTH, Torsten, DE [72] JOENTGEN, Winfried, DE [72] GROSCHL, Andreas, DE [72] ZARGES, Wolfgang, DE [71] BAYER AKTIENGESELLSCHAFT, DE [85] 1999-05-12 [86] 1997-11-03 (PCT/EP97/06065) [87] 1998-05-28 (WO98/22205) [30] DE (196 47 293.8) 1996-11-15</p>	<p style="text-align: right;">[21] <b>2,271,545</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H02G 1/12</b> [25] EN [54] <b>LASER SELECTIVE STRIPPING SYSTEM</b> [54] <b>SYSTEME</b> [72] FRANKOVICH, Mark M., US [72] CARDINEAU, Yan, US [71] INTERMEDICS INC., US [85] 1999-05-04 [86] 1997-10-31 (PCT/US97/20050) [87] 1998-05-14 (WO98/20590) [30] US (08/744,239) 1996-11-05</p>	<p style="text-align: right;">[21] <b>2,271,572</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B63B 35/38 6B63C 1/02 6B63B 3/08</b> [25] EN [54] <b>FLOATING DRIVE-ON DRY DOCK ASSEMBLY HAVING A SUPPORTING BEAM</b> [54] <b>ENSEMBLE DOCK FLOTTANT A ROULAGE DIRECT POURVU D'UNE RANGEE D'APPUI</b> [72] EVA, W. Allan III, US [72] FABER, David T., US [71] OCEAN INNOVATIONS, INC., US [85] 1999-05-11 [86] 1998-08-19 (PCT/US98/17230) [87] 1999-03-25 (WO99/14110) [30] US (08/928,878) 1997-09-12</p>
<p style="text-align: right;">[21] <b>2,271,560</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 9/52</b> [25] EN [54] <b>PHARMACEUTICAL DOSAGE FORM FOR COLONIC DELIVERY</b> [54] <b>FORME GALENIQUE PHARMACEUTIQUE CONCUE POUR ETRE ADMINISTREE DANS LE COLON</b> [72] MANRING, Gary Lee, US [72] KELM, Gary Robert, US [71] THE PROCTOR &amp; GAMBLE COMPANY, US [85] 1999-05-11 [86] 1996-11-15 (PCT/US96/18257) [87] 1998-05-28 (WO98/22095)</p>	<p style="text-align: right;">[21] <b>2,271,575</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F16L 33/01 6F16L 33/00</b> [25] EN [54] <b>PIPE COUPLING</b> [54] <b>RACCORDEMENT DE TUYAUX</b> [72] BUDNEY, David R., CA [72] WOLFE, Donald H., CA [71] COMPOSITE TECHNOLOGIES, INC., CA [85] 1999-05-11 [86] 1997-09-11 (PCT/CA97/00657) [87] 1999-03-18 (WO99/13257)</p>	

## PCT Applications Entering the National Phase

<p>[21] <b>2,271,621</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61B 10/00</b> [25] EN [54] <b>GRADUATED BONE GRAFT HARVESTER</b> [54] <b>DISPOSITIF GRADUE DE PRELEVEMENT DE GREFFON OSSEUX</b> [72] YUAN, Hansen A., US [72] STUTZ, Peter, CH [72] DOWDLE, John, US [72] SAMSON, Serafin Y., US [71] SULZER SPINE-TECH INC., US [85] 1998-10-21 [86] 1997-04-15 (PCT/US97/06478) [87] 1997-10-30 (WO97/39685) [30] US (08/637,127) 1996-04-24</p>	<p>[21] <b>2,271,623</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/40 6A61K 6/00 6A61K 47/00 6A61K 7/16 6A61K 9/68</b> [25] EN [54] <b>METHODS, COMPOSITIONS, AND DENTAL DELIVERY SYSTEMS FOR THE PROTECTION OF THE SURFACES OF TEETH</b> [54] <b>PROCEDES, COMPOSITIONS ET SYSTEMES D'ADMINISTRATION DENTAIRE SERVANT A PROTEGER LA SURFACE DES DENTS</b> [72] HOMOLA, Andrew M., US [72] DUNTON, Ronald K., US [71] FOUR STAR PARTNERS, US [85] 1999-05-20 [86] 1997-07-16 (PCT/US97/12496) [87] 1998-01-22 (WO98/02136) [30] US (08/683,778) 1996-07-16</p>	<p>[21] <b>2,271,625</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B01J 38/00</b> [25] EN [54] <b>METHOD FOR RENEWED ACTIVATION OF HONEYCOMB-SHAPED CATALYST ELEMENTS FOR DENITRATING FLUE GASES</b> [54] <b>PROCEDE POUR L'ACTIVATION RENOUVELEE D'ELEMENTS CATALYTIQUES ALVEOLAIRES EN VUE DE LA DENITRURATION DES GAZ DE FUMEE</b> [72] DORR, Heinz-Kurt, DE [72] BASTUCK, Walter, DE [72] KOCH, Georg, DE [71] SAARENERGIE GMBH, DE [85] 1999-02-03 [86] 1998-06-08 (PCT/DE98/01540) [87] 1998-12-10 (WO98/55230) [30] DE (197 23 796.7) 1997-06-06</p>
<p>[21] <b>2,271,622</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 35/78</b> [25] EN [54] <b>ANTIVIRAL AGENTS FROM PLANT EXTRACTS AND USE FOR TREATMENT OF VIRAL INFECTIONS</b> [54] <b>AGENTS ANTIVIRAUX ISSUS D'EXTRAITS DE PLANTES ET UTILISATION DE CES AGENTS DANS LE TRAITEMENT D'INFECTIONS VIRALES</b> [72] TSAI, Hsiu-Hsien, TW [72] HWANG, Shie-Ming, US [71] TSAI, Hsiu-Hsien, TW [71] HWANG, Shie-Ming, US [85] 1999-01-08 [86] 1997-07-09 (PCT/US97/12293) [87] 1998-01-15 (WO98/01144) [30] US (60/016,100) 1996-07-09 [30] US (60/021,467) 1996-07-10</p>	<p>[21] <b>2,271,624</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61C 8/00</b> [25] EN [54] <b>ABUTMENT-MOUNT SYSTEM FOR DENTAL IMPLANTS</b> [54] <b>SYSTEME DE PIVOT A BUTEE POUR IMPLANTS DENTAIRES</b> [72] MISCH, Carl E., US [72] STRONG, J. Todd, US [71] BIOHORIZONS IMPLANT SYSTEMS, INC., US [85] 1999-01-15 [86] 1997-07-18 (PCT/US97/12673) [87] 1998-01-29 (WO98/03130) [30] US (60/022,219) 1996-07-18 [30] US (60/037,194) 1997-03-05 [30] US (08/829,764) 1997-03-31</p>	<p>[21] <b>2,271,626</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F02B 27/02 6F02D 9/14</b> [25] EN [54] <b>INLET SYSTEM FOR A PISTON INTERNAL COMBUSTION ENGINE</b> [54] <b>SYSTEME D'ADMISSION D'UN MOTEUR A COMBUSTION INTERNE A PISTON</b> [72] HERR, Marco, DE [71] HERR, Marco, DE [85] 1999-02-24 [86] 1996-08-14 (PCT/EP96/03586) [87] 1997-03-06 (WO97/08434) [30] DE (195 31 985.0) 1995-08-30</p>
		<p>[21] <b>2,271,627</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B05D 5/00 6B05D 7/00</b> [25] EN [54] <b>PROCESS FOR MAKING MULTILAYER COATINGS WITH A STRIPPABLE TOPCOAT</b> [54] <b>PROCEDE DE FABRICATION DE REVETEMENTS MULTICOUCHES A L'AIDE D'UNE COUCHE SUPERIEURE PELABLE</b> [72] FOWLER, Michael, GB [71] PRC-DESOTO INTERNATIONAL, INC., US [85] 1999-03-23 [86] 1997-09-24 (PCT/GB97/02596) [87] 1998-04-02 (WO98/13148) [30] GB (9620246.0) 1996-09-26</p>

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[21] **2,271,628**  
[13] A1

[51] **Int.Cl. 6B23Q 7/02**  
[25] EN  
[54] **METHOD AND ARRANGEMENT FOR PROCESSING WORKPIECES AND WORKPIECE PICK-UP STATION FOR AN ARRANGEMENT OF THIS TYPE**  
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT DE PIECES, ET POSTE DE RECEPTION DE PIECES POUR UN TEL DISPOSITIF**  
[72] ACKERMANN, Erich, DE  
[72] ILMBERGER, Irene, DE  
[72] LAUMER, Hans, DE  
[72] EIDENHAMMER, Godehard, DE  
[71] ILMBERGER MASCHINEN-UND ZAHNRADFABRIK GMBH, DE  
[85] 1999-03-30  
[86] 1997-09-17 (PCT/EP97/05100)  
[87] 1998-04-09 (WO98/14303)  
[30] DE (196 40 286.7) 1996-09-30

[21] **2,271,629**  
[13] A1

[51] **Int.Cl. 6C04B 22/08 6C04B 24/04 6C04B 22/14 6C04B 24/16**  
[25] EN  
[54] **SOLIDIFYING AND HARDENING ACCELERATOR FOR HYDRAULIC BINDERS**  
[54] **ACCELERATEUR DE SOLIDIFICATION ET DE PRISE POUR LIANTS HYDRAULIQUES**  
[72] ALTMANN, Horst, DE  
[72] POTENCIK, Istvan, DE  
[72] BREKER, Johannes, DE  
[72] LUNKENHEIMER, Rudolf, DE  
[72] SEDELIES, Reinhold, DE  
[71] BK GIULINI CHEMIE GMBH & CO. OHG, DE  
[85] 1999-04-08  
[86] 1996-10-25 (PCT/EP96/04647)  
[87] 1998-05-07 (WO98/18740)

[21] **2,271,631**  
[13] A1

[51] **Int.Cl. 6H04N 9/75**  
[25] EN  
[54] **DEVICE AND PROCESS FOR PRODUCING A COMPOSITE PICTURE**  
[54] **PROCEDE ET DISPOSITIF POUR PRODUIRE UNE IMAGE COMPOSITE**  
[72] RYBCZYNSKI, Zbigniew, DE  
[71] ZBIG VISION GESELLSCHAFT FUR NEUE BILDGESTALTUNG MBH, DE  
[85] 1999-04-19  
[86] 1997-04-30 (PCT/DE97/00893)  
[87] 1997-11-06 (WO97/41693)  
[30] DE (196 19 090.8) 1996-04-30

[21] **2,271,634**  
[13] A1

[51] **Int.Cl. 6A47G 9/00**  
[25] EN  
[54] **ADJUSTABLE CERVICAL BEAUTIFICATION PILLOW**  
[54] **OREILLER ANATOMIQUE ADAPTABLE AU RACHIS CERVICAL**  
[72] SRAMEK, Roger, US  
[71] SRAMEK, Roger, US  
[85] 1999-05-11  
[86] 1997-11-11 (PCT/US97/20141)  
[87] 1998-05-22 (WO98/20779)  
[30] US (08/747,482) 1996-11-12

[21] **2,271,635**  
[13] A1

[51] **Int.Cl. 6H04L 29/06**  
[25] EN  
[54] **AN APPARATUS, SYSTEM AND METHOD FOR SECURE, RECOVERABLE, ADAPTABLY COMPRESSED FILE TRANSFER**  
[54] **APPAREIL, SYSTEME ET PROCEDE DE TRANSFERT SECURISE, RECUPERABLE, ET A COMPRESSION ADAPTABLE DE FICHIERS**  
[72] RENISKA, Kim, US  
[72] ANIGBOGU, Julian C., US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 1999-05-11  
[86] 1997-12-16 (PCT/US97/22688)  
[87] 1998-07-02 (WO98/28891)  
[30] US (08/772,712) 1996-12-23

[21] **2,271,636**  
[13] A1

[51] **Int.Cl. 6A01N 59/00 6C11D 3/39**  
[25] EN  
[54] **DISINFECTING MICROEMULSIONS**  
[54] **MICROEMULSIONS DESINFECTANTES**  
[72] ROMANO, Nicoletta, IT  
[72] TRANI, Marina, IT  
[72] SEREGO ALLIGHIERI, Giadra, IT  
[72] PETRI, Marco, IT  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-05-11  
[86] 1997-11-06 (PCT/US97/20512)  
[87] 1998-05-22 (WO98/21307)  
[30] EP (96870146.6) 1996-11-13

[21] **2,271,637**  
[13] A1

[51] **Int.Cl. 6C11D 1/04 6C11D 3/04 6C11D 3/39 6C11D 3/395**  
[25] EN  
[54] **AQUEOUS ALKALINE PEROXYGEN BLEACH-CONTAINING COMPOSITIONS**  
[54] **COMPOSITIONS AQUEUSES ALCALINES CONTENANT UN AGENT DE BLANCHIMENT PEROXYGENE**  
[72] TRANI, Marina, IT  
[72] PETRI, Marco, IT  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-05-11  
[86] 1997-11-06 (PCT/US97/20513)  
[87] 1998-05-22 (WO98/21299)  
[30] EP (96870145.8) 1996-11-13

[21] **2,271,638**  
[13] A1

[51] **Int.Cl. 6A01N 39/00**  
[25] EN  
[54] **SPRAYABLE DISINFECTING COMPOSITIONS AND PROCESSES FOR DISINFECTING SURFACES THEREWITH**  
[54] **COMPOSITIONS DESINFECTANTES PULVERISABLES ET PROCEDES DE DESINFECTION DE SURFACES A L'AIDE DE TELLES COMPOSITIONS**  
[72] TRANI, Marina, IT  
[72] PETRI, Marco, IT  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-05-11  
[86] 1997-11-06 (PCT/US97/20319)  
[87] 1998-05-22 (WO98/20735)  
[30] EP (96870143.3) 1996-11-13

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[21] **2,271,639**  
[13] A1

[51] **Int.Cl. 6C22C 38/00 6C21D 8/02 6C22C 38/58**  
[25] EN  
[54] **HOT ROLLED STEEL PLATE TO BE PROCESSED HAVING HYPER FINE PARTICLES, METHOD OF MANUFACTURING THE SAME, AND METHOD OF MANUFACTURING COLD ROLLED STEEL PLATE**  
[54] **PLAQUE D'ACIER LAMINEE A CHAUD CONTENANT DES PARTICULES HYPERFINES, SON PROCEDE DE FABRICATION ET PROCEDE DE FABRICATION DE PLAQUES D'ACIER LAMINEES A FROID**  
[72] MORITA, Masahiko, JP  
[72] FURUKIMI, Osamu, JP  
[72] YASUHARA, Eiko, JP  
[72] OKADA, Susumu, JP  
[71] KAWASAKI STEEL CORPORATION, JP  
[85] 1999-05-11  
[86] 1998-09-10 (PCT/JP98/04078)  
[87] 1999-03-18 (WO99/13123)  
[30] JP (9-246,779) 1997-09-11

[21] **2,271,640**  
[13] A1

[51] **Int.Cl. 6D21F 11/00**  
[25] EN  
[54] **IMPROVED DRYING FOR PATTERNED PAPER WEBS**  
[54] **SECHAGE AMELIORE POUR BANDES CONTINUES DE PAPIER A MOTIFS**  
[72] PHAN, Dean Van, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-05-11  
[86] 1997-11-14 (PCT/US97/20649)  
[87] 1998-05-22 (WO98/21405)  
[30] US (08/748,870) 1996-11-14

[21] **2,271,641**  
[13] A1

[51] **Int.Cl. 6E02F 9/20 6G05D 1/00 6H04J 13/00**  
[25] EN  
[54] **REMOTE RADIO OPERATING SYSTEM, AND REMOTE OPERATING APPARATUS, MOBILE RELAY STATION AND RADIO MOBILE WORKING MACHINE**  
[54] **SYSTEME DE COMMANDE DE MATERIEL RADIO A DISTANCE, APPAREIL DE COMMANDE A DISTANCE, STATION RELAIS D'EMISSION-RECEPTION, ET DISPOSITIF RADIO MOBILE**  
[72] TOZAWA, Shoji, JP  
[72] AWANO, Katsusuke, JP  
[72] NISHIKAWA, Hiroyasu, JP  
[72] MIKI, Masatoshi, JP  
[72] KAJITA, Shigeo, JP  
[71] SHIN CATERPILLAR MITSUBISHI LTD., JP  
[85] 1999-04-22  
[86] 1998-09-02 (PCT/JP98/03926)  
[87] 1999-05-06 (WO99/22079)  
[30] JP (HEI 9-297565) 1997-10-29

[21] **2,271,644**  
[13] A1

[51] **Int.Cl. 6A61F 13/15**  
[25] EN  
[54] **ABSORBENT ARTICLES WITH CONTROLLABLE FILL PATTERNS**  
[54] **ARTICLES ABSORBANTS PRESENTANT DES MOTIFS DE REMPLISSAGE SUSCEPTIBLES D'ETRE MODULES**  
[72] MATTHEWS, Billie Jean, US  
[72] LATIMER, Margaret Gwyn, US  
[72] ANDERSON, Richard Allen, US  
[72] WILHELM, Hoa La, US  
[72] GRYSKIEWICZ, Stanley Michael, US  
[72] HETZLER, Connie Lynn, US  
[72] MACE, Tamara Lee, US  
[72] BURNES, Andrew Scott, US  
[72] LITTLE, Sylvia Bandy, US  
[72] RIDDLE, James Brian, US  
[72] CHANG, Kuo-Shu Edward, US  
[72] VARONA, Eugenio Go, US  
[72] DODGE, Richard Norris II, US  
[72] LI, Yong, US  
[72] SAWYER, Lawrence Howell, US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[85] 1999-04-23  
[86] 1997-11-21 (PCT/US97/21371)  
[87] 1998-05-28 (WO98/22067)  
[30] US (08/755,136) 1996-11-22

[21] **2,271,645**  
[13] A1

[51] **Int.Cl. 6E04G 21/24 6E04B 2/74**  
[25] EN  
[54] **PARTITION MOUNT**  
[54] **SUPPORT DE CLOISON**  
[72] WHITTEMORE, Jeffrey P., US  
[71] ZIPWALL LLC, US  
[85] 1999-04-27  
[86] 1997-10-27 (PCT/US97/19261)  
[87] 1998-05-07 (WO98/19027)  
[30] US (08/740,372) 1996-10-29

[21] **2,271,646**  
[13] A1

[51] **Int.Cl. 6C10L 1/32**  
[25] EN  
[54] **STABILIZED WATER NANOCLUSTER-FUEL EMULSIONS DESIGNED THROUGH QUANTUM CHEMISTRY**  
[54] **EMULSIONS STABILISEES DE COMBUSTIBLES A NANOGROUPES AQUEUX CONCUES PAR CHIMIE QUANTIQUE**  
[72] JOHNSON, Keith H., US  
[72] ZHANG, Bin, US  
[71] QUANTUM ENERGY TECHNOLOGIES CORPORATION, US  
[85] 1999-05-11  
[86] 1997-11-14 (PCT/US97/20779)  
[87] 1998-05-22 (WO98/21294)  
[30] US (08/747,862) 1996-11-14  
[30] US (08/964,249) 1997-11-04

[21] **2,271,648**  
[13] A1

[51] **Int.Cl. 6A01N 33/12 6A01N 55/00 6A01N 65/00 6A01N 37/02 6A01N 55/08 6A01N 37/16 6A01N 37/36**  
[25] EN  
[54] **SPRAYABLE DISINFECTING COMPOSITIONS AND PROCESSES FOR DISINFECTING SURFACES THEREWITH**  
[54] **COMPOSITIONS DESINFECTANTES A VAPORISER ET PROCEDES DE DESINFECTION DE SURFACES A L'AIDE DE CELLES-CI**  
[72] PETRI, Marco, IT  
[72] TRANI, Marina, IT  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-05-11  
[86] 1997-11-06 (PCT/US97/20015)  
[87] 1998-05-22 (WO98/20733)  
[30] EP (96870144.1) 1996-11-13

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[21] **2,271,649**  
[13] A1

[51] **Int.Cl. 6F24B 15/00 6A47J 37/07**  
[25] EN  
[54] **ADAPTER FOR A HEAT GUN**  
**ADAPTATEUR POUR UN**  
**PISTOLET THERMIQUE**  
[72] DIETER, Klaus, DE  
[71] DIETER, Klaus, DE  
[85] 1999-04-27  
[86] 1998-08-26 (PCT/EP98/05397)  
[87] 1999-03-04 (WO99/10683)  
[30] DE (297 15 369.2) 1997-08-27  
[30] DE (298 12 183.2) 1998-07-08

[21] **2,271,651**  
[13] A1

[51] **Int.Cl. 6A61B 17/34**  
[25] EN  
[54] **SYSTEM, EMPLOYING THREE-**  
**DIMENSIONAL**  
**ULTRASONOGRAPHIC IMAGING,**  
**FOR ASSISTING IN GUIDING AND**  
**PLACING MEDICAL INSTRUMENTS**  
[54] **SYSTEME METTANT EN OEUVRE**  
**UNE IMAGERIE ECOGRAPHIQUE**  
**TRIDIMENSIONNELLE ET SERVANT**  
**AU GUIDAGE ET AU PLACEMENT**  
**D'INSTRUMENTS MEDICAUX**  
[72] DOWNEY, Donal, CA  
[72] ONIK, Gary, US  
[72] FENSTER, Aaron, CA  
[71] LIFE IMAGING SYSTEMS INC., CA  
[85] 1999-05-11  
[86] 1997-11-28 (PCT/CA97/00906)  
[87] 1998-06-04 (WO98/23214)  
[30] US (60/032,059) 1996-11-29

[21] **2,271,652**  
[13] A1

[51] **Int.Cl. 6A61K 9/16 6A61K 9/20**  
[25] EN  
[54] **COMPACT MEMBER**  
**COMPRISING A PLURALITY OF**  
**POROUS CELLULOSE MATRICES,**  
**(PCMS), METHOD OF**  
**MANUFACTURING AND USE**  
**THEREOF**  
[54] **ELEMENT COMPACT COMPOSE**  
**D'UNE PLURALITE DE MATRICES**  
**POREUSES EN CELLULOSE (PCM),**  
**SON PROCEDE DE FABRICATION ET**  
**D'UTILISATION**  
[72] NYSTROM, Christer, SE  
[72] GREN, Torkel, SE  
[71] PHARMACIA & UPJOHN AB, SE  
[85] 1999-05-11  
[86] 1997-11-12 (PCT/SE97/01901)  
[87] 1998-05-22 (WO98/20858)  
[30] SE (9604124-9) 1996-11-12  
[30] US (60/031,723) 1996-11-25

[21] **2,271,654**  
[13] A1

[51] **Int.Cl. 6B32B 15/01 6A44C 21/00**  
[25] EN  
[54] **COMPOSITE STRATIFIED**  
**MATERIAL AND ITS USE FOR COINS**  
[54] **MATERIAU COMPOSITE**  
**STRATIFIE ET SON UTILISATION**  
**POUR DES PIECES DE MONNAIE**  
[72] KOLB-TELIEPS, Angelika, DE  
[72] HEUBNER, Ulrich, DE  
[71] KRUPP VDM GMBH, DE  
[85] 1999-05-11  
[86] 1997-11-10 (PCT/EP97/06234)  
[87] 1998-05-22 (WO98/21028)  
[30] DE (196 46 657.1) 1996-11-12

[21] **2,271,655**  
[13] A1

[51] **Int.Cl. 6E21B 7/20 6E21D 20/00**  
**6E02D 5/76**  
[25] EN  
[54] **PROCESS AND DEVICE FOR**  
**SIMULTANEOUSLY DRILLING AND**  
**LINING A HOLE**  
[54] **PROCEDE ET DISPOSITIF POUR**  
**FORER ET REVETIRE EN MEME TEMPS**  
**DES TROUS**  
[72] MOCIVNIK, Josef, AT  
[72] BOHM, Karl, AT  
[71] "ALWAG" TUNNELAUSBAU  
GESELLSCHAFT M.B.H., AT  
[71] TECHMO ENTWICKLUNGS- UND  
VERTRIEBS GMBH, AT  
[85] 1999-05-11  
[86] 1997-11-12 (PCT/AT97/00247)  
[87] 1998-05-22 (WO98/21439)  
[30] AT (A 1978/96) 1996-11-12  
[30] AT (A 1065/97) 1997-06-18

[21] **2,271,657**  
[13] A1

[51] **Int.Cl. 6A61K 31/56 6C07J 1/00**  
[25] EN  
[54] **ANDROGEN AS A MALE**  
**CONTRACEPTIVE AND NON-**  
**CONTRACEPTIVE ANDROGEN**  
**REPLACEMENT**  
[54] **ANDROGENE EN TANT QUE**  
**CONTRACEPTIF MASCULIN, ET**  
**TRAITEMENT NON CONTRACEPTIF**  
**DE SUBSTITUTION A L'ANDROGENE**  
[72] MOO-YOUNG, Alfred J., US  
[71] THE POPULATION COUNCIL, INC.,  
US  
[85] 1999-04-28  
[86] 1998-09-17 (PCT/US98/19402)  
[87] 1999-03-25 (WO99/13883)  
[30] US (60/059,300) 1997-09-17  
[30] US (60/062,962) 1997-10-10  
[30] US (09/154,283) 1998-09-16



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<p style="text-align: right;">[21] <b>2,271,658</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61F 2/06</b> [25] EN [54] <b>STENT WITH REDUCED THROMBOGENICITY</b> [54] <b>STENT A TROMBOGENICITE REDUITE</b> [72] BABBS, Charles F., US [72] HILES, Michael C., US [72] FEARNOT, Neal F., US [72] BOURLAND, Joe D., US [72] BADYLAK, Stephen F., US [72] GEDDES, Leslie A., US [71] PURDUE RESEARCH FOUNDATION, US [85] 1999-05-11 [86] 1997-12-10 (PCT/US97/22586) [87] 1998-06-18 (WO98/25544) [30] US (60/032,682) 1996-12-10</p>	<p style="text-align: right;">[21] <b>2,271,661</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61B 17/34</b> [25] EN [54] <b>APPARATUS FOR GUIDING MEDICAL INSTRUMENTS DURING ULTRASONOGRAPHIC IMAGING</b> [54] <b>DISPOSITIF DE GUIDAGE D'INSTRUMENTS MEDICAUX LORS D'UNE IMAGERIE ECHOGRAPHIQUE</b> [72] FENSTER, Aaron, CA [72] DOWNEY, Donal, CA [71] LIFE IMAGING SYSTEMS INC., CA [85] 1999-05-11 [86] 1997-11-28 (PCT/CA97/00904) [87] 1998-06-04 (WO98/23213) [30] US (60/032,058) 1996-11-29</p>	<p style="text-align: right;">[21] <b>2,271,664</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61K 31/56 6A61K 31/66</b> [25] EN [54] <b>ANDROGENIC AND BISPHOSPHONIC AGENTS COADMINISTERED TO TREAT DISEASES</b> [54] <b>AGENTS ANDROGENE ET BISPHOSPHONIQUE COADMINISTRÉS POUR TRAITER DES MALADIES</b> [72] RODAN, Gideon, US [72] SCHMIDT, Azriel, US [72] HARADA, Shun-Ichi, US [71] MERCK &amp; CO., INC., US [85] 1999-05-11 [86] 1997-11-21 (PCT/US97/21306) [87] 1998-06-04 (WO98/23274) [30] US (60/031,734) 1996-11-25 [30] US (60/032,341) 1996-12-04 [30] GB (9700697.7) 1997-01-15</p>
<p style="text-align: right;">[21] <b>2,271,659</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H04S 1/00</b> [25] EN [54] <b>STEREO SOUND EXPANDER</b> [54] <b>EXPANSEUR POUR CHAÎNE STERÉOPHONIQUE</b> [72] CLEMOW, Richard David, GB [72] SIBBALD, Alastair, GB [71] CENTRAL RESEARCH LABORATORIES LIMITED, GB [85] 1999-04-30 [86] 1997-11-03 (PCT/GB97/03020) [87] 1998-05-14 (WO98/20707) [30] GB (9622773.1) 1996-11-01</p>	<p style="text-align: right;">[21] <b>2,271,662</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C09D 5/00</b> [25] EN [54] <b>ADHESIVE VARNISH FOR ABSORBING POWDER PAINT</b> [54] <b>VERNIS ADHESIF POUR L'ABSORPTION DE PEINTURES EN POUVRE</b> [72] WULLSCHLEGER, Raffael, CH [71] RAFKA GMBH, CH [85] 1999-04-30 [86] 1998-08-17 (PCT/IB98/01252) [87] 1999-03-11 (WO99/11723) [30] CH (2041/97) 1997-09-01</p>	<p style="text-align: right;">[21] <b>2,271,665</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B60G 5/00</b> [25] EN [54] <b>DUAL TRAILER</b> [54] <b>REMORQUE DOUBLE</b> [72] HICKS, W. Glen, US [71] HICKS, W. Glen, US [85] 1999-04-30 [86] 1998-09-04 (PCT/US98/18470) [87] 1999-03-11 (WO99/11477) [30] US (60/058,071) 1997-09-05</p>
<p style="text-align: right;">[21] <b>2,271,660</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F02C 3/28</b> [25] EN [54] <b>SYNTHESIS GAS EXPANDER LOCATED IMMEDIATELY UPSTREAM OF COMBUSTION TURBINE</b> [54] <b>CHAMBRE D'EXPANSION DE GAZ DE SYNTHÈSE SITUÉE IMMÉDIATEMENT EN AMONT D'UNE TURBINE À GAZ</b> [72] JAHNKE, Frederick C., US [71] TEXACO DEVELOPMENT CORPORATION, US [85] 1999-05-11 [86] 1998-09-02 (PCT/US98/18255) [87] 1999-03-25 (WO99/14473) [30] US (60/058,747) 1997-09-12 [30] US (09/139,917) 1998-08-26</p>	<p style="text-align: right;">[21] <b>2,271,663</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F23C 1/10 6F23C 7/00 6F23D 1/00 6F23D 17/00 6F23M 9/00 6F23K 3/02 6F23C 1/12</b> [25] EN [54] <b>AN IMPROVED PULVERIZED COAL BURNER</b> [54] <b>BRÛLEUR AMÉLIORÉ DE CHARBON PULVÉRISÉ</b> [72] KAUFMAN, Keith C., US [72] LARUE, Albert D., US [72] SARV, Hamid, US [72] SIVY, Jennifer L., US [72] RODGERS, Larry W., US [72] KOSLOSKY, John V., US [71] THE BABCOCK &amp; WILCOX COMPANY, US [85] 1999-05-11 [86] 1997-11-12 (PCT/US97/15855) [87] 1998-05-22 (WO98/21524) [30] US (08/747,319) 1996-11-12</p>	<p style="text-align: right;">[21] <b>2,271,666</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C09K 3/30 6C09K 5/04 6C08J 9/14</b> [25] EN [54] <b>HYDROFLUOROCARBON COMPOSITIONS</b> [54] <b>COMPOSITIONS HYDROFLUOROCARBONÉES</b> [72] SIEVERT, Allen Capron, US [72] FELIX, Vinci Martinez, US [72] MINOR, Barbara Haviland, US [71] E. I. DU PONT DE NEMOURS AND COMPANY, US [85] 1999-05-03 [86] 1997-11-03 (PCT/US97/19887) [87] 1998-05-14 (WO98/20089) [30] US (60/029,971) 1996-11-04 [30] US (08/943,420) 1997-10-03</p>

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<p style="text-align: right;">[21] <b>2,271,667</b> [13] A1</p> <p>[51] <b>Int.Cl. 6F25J 3/02 6F25J 5/00 6F25J 1/02 6F25J 3/08</b> [25] EN [54] <b>METHOD AND APPARATUS FOR CONTROLLING CONDENSATION OF GASEOUS HYDROCARBON STREAM</b> [54] <b>PROCEDE ET DISPOSITIF DE REGULATION DE LA CONDENSATION D'UN COURANT D'HYDROCARBURE GAZEUX</b> [72] DEVERS, Barnard James, US [71] PHILLIPS PETROLEUM COMPANY, US [85] 1999-05-11 [86] 1997-10-14 (PCT/US97/18899) [87] 1998-06-18 (WO98/26243) [30] US (08/764,347) 1996-12-12</p>	<p style="text-align: right;">[21] <b>2,271,670</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A23K 1/18 6A23K 1/10</b> [25] EN [54] <b>METHOD FOR CONTINUOUS PRODUCTION OF DRY FEED FOR FISH AND SHELL FISH</b> [54] <b>PROCEDE DE PRODUCTION EN CONTINU D'ALIMENTS SECS POUR DES POISSONS ET DES INVERTEBRES AQUATIQUES A COQUILLE</b> [72] KOSSMANN, Heinrich, SE [72] LUDVIGSEN, Bent, DK [71] ALFA LAVAL AB, SE [71] KOSSMANN, Heinrich, SE [71] LUDVIGSEN, Bent, DK [85] 1999-05-03 [86] 1997-11-05 (PCT/SE97/01850) [87] 1998-05-14 (WO98/19561) [30] SE (9604077-9) 1996-11-07</p>	<p style="text-align: right;">[21] <b>2,271,673</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C07C 311/19 6A61K 31/195 6A61K 31/215 6C07D 333/24 6C07C 311/29 6A61K 31/38</b> [25] EN [54] <b>BENZENESULFONAMIDE DERIVATIVES AND DRUGS CONTAINING THE SAME</b> [54] <b>DERIVES BENZENESULFONAMIDE ET MEDICAMENTS LES CONTENANT</b> [72] SAKURAI, Shunichiro, JP [72] OGAWA, Nobuo, JP [72] YASUDA, Shingo, JP [71] HOKURIKU SEIYAKU CO., LTD., JP [85] 1999-04-30 [86] 1997-11-12 (PCT/JP97/04125) [87] 1998-05-22 (WO98/21177) [30] JP (8/317109) 1996-11-13 [30] JP (9/269234) 1997-09-16</p>
<p style="text-align: right;">[21] <b>2,271,668</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C08F 8/14</b> [25] EN [54] <b>FUNCTIONALISED POLYMER, A METHOD FOR PRODUCING SAME AND CURABLE COMPOSITIONS CONTAINING SAME</b> [54] <b>POLYMERE FONCTIONNALISE, PROCEDE DE PRODUCTION DE CE DERNIER ET COMPOSITIONS DURCISSABLES CONTENANT CE DERNIER</b> [72] HARTE, Helen, GB [72] CHISHOLM, Michael Stephen, GB [72] SLARK, Andrew Trevithick, GB [71] IMPERIAL CHEMICAL INDUSTRIES PLC, GB [85] 1999-04-30 [86] 1997-12-17 (PCT/GB97/03466) [87] 1998-06-25 (WO98/27121) [30] GB (9626193.8) 1996-12-18</p>	<p style="text-align: right;">[21] <b>2,271,671</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61B 6/08</b> [25] EN [54] <b>MEDICAL IMAGING SYSTEMS</b> [54] <b>SYSTEMES D'IMAGERIE MEDICALE</b> [72] McBRIDE, Margot, GB [71] GLASGOW CALEDONIAN UNIVERSITY COMPANY, GB [85] 1999-05-11 [86] 1997-11-13 (PCT/GB97/03045) [87] 1998-05-22 (WO98/20795) [30] GB (9623575.9) 1996-11-13</p>	<p style="text-align: right;">[21] <b>2,271,675</b> [13] A1</p> <p>[51] <b>Int.Cl. 6H04L 12/28</b> [25] EN [54] <b>SYSTEM AND METHOD FOR BROADBAND MILLIMETER WAVE DATA COMMUNICATION</b> [54] <b>SYSTEME ET PROCEDE DE TRANSMISSION DE DONNEES LARGE BANDE PAR ONDES MILLIMETRIQUES</b> [72] SCHAFFER, David C., US [72] FOSTER, Robert B., Jr., US [72] BAUGH, Charles R., US [71] WAVTRACE, INC., US [85] 1999-05-04 [86] 1997-09-22 (PCT/US97/16710) [87] 1998-05-14 (WO98/20633) [30] US (08/740,332) 1996-11-07</p>
<p style="text-align: right;">[21] <b>2,271,672</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G06F 17/60</b> [25] EN [54] <b>INTERNET ADVERTISING SYSTEM</b> [54] <b>SYSTEME PUBLICITAIRE SUR INTERNET</b> [72] ROTH, David William, US [72] SALISBURY, Dylan, US [71] FLYCAST COMMUNICATIONS CORP., US [85] 1999-04-30 [86] 1998-01-09 (PCT/US98/00386) [87] 1998-08-06 (WO98/34189) [30] US (08/787,979) 1997-01-22</p>	<p style="text-align: right;">[21] <b>2,271,676</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A23D 9/013 6A23D 7/00 6A23L 1/30</b> [25] EN [54] <b>TEXTURIZING COMPOSITIONS FOR USE IN FAT BLENDS IN FOOD</b> [54] <b>COMPOSITIONS DE TEXTURE UTILISEES DANS DES MELANGES GRAS POUR PRODUITS ALIMENTAIRES</b> [72] WESTER, Ingmar, FI [71] RAISIO BENECOL LTD., FI [85] 1999-04-30 [86] 1997-11-03 (PCT/FI97/00669) [87] 1998-05-14 (WO98/19556) [30] US (08/740,845) 1996-11-04</p>	

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<p style="text-align: right;">[21] <b>2,271,677</b> [13] A1</p> <p>[51] <b>Int.Cl. 6G06F 17/50</b> [25] EN [54] <b>METHOD AND MEANS FOR SYNTHESIS-BASED SIMULATION OF CHEMICALS HAVING BIOLOGICAL FUNCTIONS</b> [54] <b>PROCEDE ET MOYENS PERMETTANT UNE SIMULATION S'ARTICULANT AUTOUR D'UNE SYNTHESE DE PRODUITS CHIMIQUES BIOLOGIQUES</b> [72] HE, Zhengxu, US [72] HUSE, William D., US [72] WANG, Yifeng, US [71] IXSYS, INC., US [85] 1999-04-30 [86] 1997-11-25 (PCT/US97/22106) [87] 1998-06-11 (WO98/25218) [30] US (08/758,741) 1996-12-06</p>	<p style="text-align: right;">[21] <b>2,271,679</b> [13] A1</p> <p>[51] <b>Int.Cl. 6A61F 7/02 6A61F 7/03</b> [25] EN [54] <b>NORMOTHERMIC HEATER WOUND COVERING</b> [54] <b>PROTECTION DE PLAIE GENERATRICE DE CHALEUR A TEMPERATURE NORMOTHERMIQUE</b> [72] AUGUSTINE, Scott D., US [71] AUGUSTINE MEDICAL, INC., US [85] 1999-04-30 [86] 1997-11-12 (PCT/US97/20747) [87] 1998-07-23 (WO98/31310) [30] US (08/785,794) 1997-01-21</p>	<p style="text-align: right;">[21] <b>2,271,683</b> [13] A1</p> <p>[51] <b>Int.Cl. 6B01J 13/02 6B32B 19/00 6B32B 27/00 6B32B 9/02 6B32B 19/02 6B01J 13/14 6B01J 13/16 6B01J 13/18</b> [25] EN [54] <b>COATED PARTICLES, METHODS OF MAKING AND USING</b> [54] <b>PARTICULES ENROBEES, PROCEDES DE FABRICATION ET D'UTILISATION</b> [72] ANDERSON, David M., US [71] SELECT RELEASE, L.C., US [85] 1999-05-07 [86] 1998-09-08 (PCT/US98/18639) [87] 1999-03-18 (WO99/12640) [30] US (60/058,309) 1997-09-09</p>
<p style="text-align: right;">[21] <b>2,271,678</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C04B 35/80</b> [25] EN [54] <b>METHOD FOR CHEMICAL VAPOUR INFILTRATION OF REFRACTORY SUBSTANCES, ESPECIALLY CARBON AND SILICON CARBIDE</b> [54] <b>PROCEDE D'INFILTRATION CHIMIQUE EN PHASE VAPEUR DE MATIERES REFRACTAIRES, NOTAMMENT DE CARBONE ET DE CARBURE DE SILICIUM</b> [72] HUTTINGER, Klaus J., DE [72] BENZINGER, Walther, DE [71] SINTEC KERAMIK GMBH &amp; CO. KG, DE [85] 1999-05-06 [86] 1997-11-07 (PCT/DE97/02597) [87] 1998-05-22 (WO98/21163) [30] DE (196 46 094.8) 1996-11-08</p>	<p style="text-align: right;">[21] <b>2,271,681</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C12N 15/12 6A61K 48/00 6C12P 21/02 6A01K 67/027 6C12P 21/08 6C12N 5/10 6A61K 38/17 6C07K 16/18 6C12N 1/21 6A61K 39/395 6C07K 14/47 6G01N 33/53 6C12N 15/63 6A61K 31/70</b> [25] EN [54] <b>NOVEL SEMAPHORIN GENES (I)</b> [54] <b>NOUVEAUX GENES DE SEMAPHORINE (I)</b> [72] FURUYAMA, Tatsuo, JP [72] INAGAKI, Shinobu, JP [71] SUMITOMO PHARMACEUTICALS COMPANY, LIMITED, JP [85] 1999-05-14 [86] 1997-11-12 (PCT/JP97/04111) [87] 1998-05-28 (WO98/22504) [30] JP (8/321068) 1996-11-15</p>	<p style="text-align: right;">[21] <b>2,271,714</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C12N 15/12 6A61K 48/00 6C12Q 1/00 6A01K 67/027 6C07K 7/04 6C07K 16/18 6A61K 39/395 6C12Q 1/68 6A61K 31/70 6C12N 15/85</b> [25] EN [54] <b>PREPROTACHYKININ-C GENE ENCODING SUBSTANCE Z TACHYKININ PRECURSOR</b> [54] <b>GENE DE LA PREPROTACHYKININE-C CODANT LE PRECURSEUR D'UNE TACHYKININE DENOMMEE SUBSTANCE Z</b> [72] WU, Gillian E., CA [72] PAIGE, Christopher J., CA [72] ZHANG, Yu, CA [71] THE WELLESLEY HOSPITAL FOUNDATION, CA [85] 1999-05-13 [86] 1997-11-19 (PCT/CA97/00875) [87] 1998-05-28 (WO98/22497) [30] CA (2,190,679) 1996-11-19</p>
	<p style="text-align: right;">[21] <b>2,271,682</b> [13] A1</p> <p>[51] <b>Int.Cl. 6C22C 9/02</b> [25] EN [54] <b>COPPER ALLOY AND PROCESS FOR OBTAINING SAME</b> [54] <b>ALLIAGE DE CUIVRE ET SON PROCEDE D'OBTENTION</b> [72] BHARGAVA, Ashok K., US [71] WATERBURY ROLLING MILLS, INC., US [85] 1999-04-30 [86] 1997-08-05 (PCT/US97/13747) [87] 1998-05-14 (WO98/20176) [30] US (08/747,014) 1996-11-07 [30] US (08/780,116) 1996-12-26</p>	

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[21] **2,271,717**

[13] A1

[51] **Int.Cl. 6G01N 21/76 6A61F 2/02  
6C01B 33/149 6G01N 33/53 6G01N 33/58  
6C12Q 1/66**

[25] EN

[54] **APPARATUS AND METHOD FOR  
DETECTING AND IDENTIFYING  
INFECTIOUS AGENTS**

[54] **APPAREIL PERMETTANT DE  
DETECTER ET D'IDENTIFIER DES  
AGENTS INFECTIEUX ET PROCEDE  
CORRESPONDANT**

[72] GAALEMA, Stephen, US

[72] MURPHY, Randall B., US

[72] BRYAN, Bruce J., US

[71] PROLUME, LTD., US

[85] 1999-05-14

[86] 1997-12-12 (PCT/US97/23089)

[87] 1998-06-18 (WO98/26277)

[30] US (60/033,745) 1996-12-12

[30] US (60/037,675) 1997-02-11

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[21] **2,273,070**

[13] A1

[51] **Int.Cl. 6H02G 3/12 6H02G 3/14**

[25] FR

[54] **BOITE DE METAL OU DE  
PLASTIQUE ENCASTREE**

[54] **FLUSH MOUNTED METAL OR  
PLASTIC BOX**

[72] GALLANT, Yvan, CA

[71] GALLANT, Yvan, CA

[85] 1999-06-17

[86] 1998-05-28 (PCT/CA98/00529)

[87] 1998-12-03 (WO98/54806)

[30] CA (2,205,935) 1997-05-28

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[21] **2,271,738**

[13] A1

[51] **Int.Cl. 6A61M 31/00**

[25] EN

[54] **DEVICES AND METHODS FOR  
APPLYING A MIXTURE OF TWO OR  
MORE LIQUID COMPONENTS TO  
FORM A BIOMATERIAL**

[54] **DISPOSITIFS ET PROCEDES  
UTILISES POUR APPLIQUER UN  
MELANGE DE DEUX COMPOSANTS  
LIQUIDES OU DAVANTAGE POUR  
FORMER UN BIOMATERIAU**

[72] LINNEBJERG, Steven, DK

[72] CORNWELL, Richard, GB

[72] HOLM, Niels Erik, DK

[71] BRISTOL-MYERS SQUIBB  
COMPANY, US

[85] 1999-05-12

[86] 1997-11-14 (PCT/US97/20653)

[87] 1998-05-22 (WO98/20931)

[30] US (60/030,942) 1996-11-15

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[21] **2,272,713**

[13] A1

[51] **Int.Cl. 6B67D 5/00**

[25] EN

[54] **DISPENSER**

[54] **DISTRIBUTEUR**

[72] HO, Stanley, US

[72] HO, Mark, TW

[71] ALLURE HOME CREATION CO.,  
INC., US

[85] 1999-05-28

[86] 1997-11-24 (PCT/US97/21751)

[87] 1998-10-29 (WO98/47810)

[30] US (08/844225) 1997-04-18

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## Canadian Laid-Open Applications Previously Unavailable for Publishing

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[21] **2,271,502**  
[13] A1  
[51] Int.Cl. 6G01K 13/02 6G01H 5/00  
**6G01F 1/68**  
[25] EN  
[54] APPARATUS FOR DETERMINING  
FLUID FLOW  
[54] APPAREIL POUR DETERMINER  
LE DEBIT D'UN FLUIDE  
[72] HAUSER, Ernest M., US  
[72] MILLER, Robert C., US  
[72] HASTINGS, Calvin R., US  
[71] CALDON, INC., US  
[22] 1993-10-05  
[43] 1994-04-07  
[62] 2107750  
[30] US (957,411) 1992-10-06

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[21] **2,271,504**  
[13] A1  
[51] Int.Cl. 6C09D 163/00 6A61J 1/05  
[25] EN  
[54] BLOOD COLLECTION TUBE  
ASSEMBLY  
[54] DISPOSITIF DE PRELEVEMENT  
SANGUIN  
[72] BURKETT, Susan L., US  
[72] WONG, Bryan Soo, US  
[72] TROPSHA, Yelena G., US  
[72] HARVEY, Noel G., US  
[72] CLARKE, Richard P., US  
[71] BECTON, DICKINSON AND  
COMPANY, US  
[22] 1997-01-14  
[43] 1997-07-31  
[62] 2195048  
[30] US (08/594,069) 1996-01-30

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[21] **2,271,506**  
[13] A1  
[51] Int.Cl. 6G01N 33/74 6A61F 6/00  
[25] EN  
[54] OVULATION METHODS, DEVICES  
AND TEST KITS FOR MONITORING  
[54] METHODE D'OVULATION,  
TROUSSE ET DISPOSITIFS  
D'ANALYSE DE SURVEILLANCE  
[72] MUNDILL, Paul Henry Charles, GB  
[72] CATT, Michael, GB  
[72] ZHANG, Zhi Gang, GB  
[71] UNIPATH LIMITED, GB  
[22] 1994-06-24  
[43] 1995-01-12  
[62] 2166081  
[30] AT (93305220.1) 1993-07-02

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[21] **2,271,540**  
[13] A1  
[51] Int.Cl. 6G11B 7/24  
[25] EN  
[54] MULTIPLE DATA SURFACE  
OPTICAL DATA STORAGE SYSTEM  
[54] SYSTEME DE STOCKAGE DE  
DONNEES OPTIQUES UTILISANT UN  
SUPPORT A SURFACES  
D'ENREGISTREMENTS MULTIPLES  
[72] RUBIN, Kurt Allan, US  
[72] STRAND, Timothy Carl, US  
[72] BEST, Margaret Evans, US  
[72] ROSEN, Hal Jervis, US  
[71] INTERNATIONAL BUSINESS  
MACHINES CORPORATION, US  
[22] 1992-04-15  
[43] 1992-12-05  
[62] 2066004  
[30] US (07/710,226) 1991-06-04

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[13] A1  
[51] Int.Cl. 6G11B 7/12 6G11B 7/24  
[25] EN  
[54] MULTIPLE DATA SURFACE  
OPTICAL DATA STORAGE SYSTEM  
[54] SYSTEME DE STOCKAGE DE  
DONNEES OPTIQUES UTILISANT UN  
SUPPORT A SURFACES  
D'ENREGISTREMENTS MULTIPLES  
[72] STRAND, Timothy Carl, US  
[72] RUBIN, Kurt Allan, US  
[72] ROSEN, Hal Jervis, US  
[72] BEST, Margaret Evans, US  
[71] INTERNATIONAL BUSINESS  
MACHINES CORPORATION, US  
[22] 1992-04-15  
[43] 1992-12-05  
[62] 2066004  
[30] US (07/710,226) 1991-06-04

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[21] **2,271,542**  
[13] A1  
[51] Int.Cl. 6G11B 7/12 6G11B 7/24  
[25] EN  
[54] MULTIPLE DATA SURFACE  
OPTICAL DATA STORAGE SYSTEM  
[54] SYSTEME DE STOCKAGE DE  
DONNEES OPTIQUES UTILISANT UN  
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D'ENREGISTREMENTS MULTIPLES  
[72] STRAND, Timothy Carl, US  
[72] RUBIN, Kurt Allan, US  
[72] ROSEN, Hal Jervis, US  
[72] BEST, Margaret Evans, US  
[71] INTERNATIONAL BUSINESS  
MACHINES CORPORATION, US  
[22] 1992-04-15  
[43] 1992-12-05  
[62] 2066004  
[30] US (07/710,226) 1991-06-04

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[21] **2,271,543**  
[13] A1

[51] **Int.Cl. 6G11B 7/00 6G11B 7/12 6G11B 7/24**  
[25] EN  
[54] **MULTIPLE DATA SURFACE OPTICAL DATA STORAGE SYSTEM**  
[54] **SYSTEME DE STOCKAGE DE DONNEES OPTIQUES UTILISANT UN SUPPORT A SURFACES D'ENREGISTREMENTS MULTIPLES**  
[72] ROSEN, Hal Jervis, US  
[72] RUBIN, Kurt Allan, US  
[72] BEST, Margaret Evans, US  
[72] STRAND, Timothy Carl, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 1992-04-15  
[43] 1992-12-05  
[62] 2066004  
[30] US (07/710,226) 1991-06-04

[21] **2,271,544**  
[13] A1

[51] **Int.Cl. 6G01N 33/68 6G01N 33/53**  
[25] EN  
[54] **METHOD TO DETECT BONE AND OTHER CONNECTIVE TISSUE DISORDERS IN HUMANS AND ANIMALS**  
[54] **METHODE DE DETECTION DE TROUBLES DES OS ET D'AUTRES TISSUS CONJONCTIFS CHEZ LES HUMAINS ET LES ANIMAUX**  
[72] ROBINS, Simon P., GB  
[71] THE ROWETT RESEARCH INSTITUTE, GB  
[22] 1990-12-28  
[43] 1991-07-01  
[62] 2069611  
[30] GB (8929366.6) 1989-12-30

[21] **2,271,551**  
[13] A1

[51] **Int.Cl. 6G11B 7/00**  
[25] EN  
[54] **A DISK RECORDING SYSTEM AND A METHOD OF CONTROLLING THE ROTATION OF A TURNTABLE IN SUCH A DISK RECORDING SYSTEM**  
[54] **UN SYSTEME D'ENREGISTREMENT DE DISQUE ET METHODE DE CONTROLE DE LA VITESSE DE ROTATION DU PLATEAU DE CE SYSTEME**  
[72] REYNOLDS, Gerald Alfred John, GB  
[72] HALLIDAY, Jonathan, GB  
[72] LABINSKY, Alexander Numa, GB  
[71] NIMBUS COMMUNICATIONS INTERNATIONAL LIMITED, GB  
[22] 1993-02-03  
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[62] 2088737

[21] **2,271,552**  
[13] A1

[51] **Int.Cl. 6H04M 1/57 6H04H 1/08 6H04N 5/445**  
[25] EN  
[54] **CALLER IDENTIFICATION FOR TELEVISION**  
[54] **IDENTIFICATION D'APPELANTS POUR TELEVISION**  
[72] BERKOBIN, Eric C., US  
[72] BONNER, Alfred E., US  
[72] WUNDERLICH, Richard E., US  
[72] HENDRICKS, John S., US  
[71] DISCOVERY COMMUNICATIONS, INC., US  
[22] 1993-12-02  
[43] 1994-06-09  
[62] 2151461  
[30] US (07/991,074) 1992-12-09

[21] **2,271,555**  
[13] A1

[51] **Int.Cl. 6H04N 5/445 6G08C 23/04**  
[25] EN  
[54] **REMOTE CONTROL FOR CABLE TELEVISION DELIVERY SYSTEM**  
[54] **COMMANDE A DISTANCE POUR SYSTEME DE TELEVISION CABLE**  
[72] WUNDERLICH, Richard E., US  
[72] BERKOBIN, Eric C., US  
[72] BONNER, Alfred E., US  
[72] HENDRICKS, John S., US  
[71] DISCOVERY COMMUNICATIONS, INC., US  
[22] 1993-12-02  
[43] 1994-06-09  
[62] 2151461  
[30] US (07/991,074) 1992-12-09

[21] **2,271,566**  
[13] A1

[51] **Int.Cl. 6C07D 239/48 6A61K 31/505**  
[25] EN  
[54] **PHARMACEUTICALLY ACTIVE CNS COMPOUNDS**  
[54] **COMPOSES CNS PHARMACEUTIQUEMENT ACTIFS**  
[72] HYDE, Richard Martin, GB  
[72] NOBBS, Malcolm Stuart, GB  
[72] MILLER, Alistair Ainslie, GB  
[72] LEACH, Michael John, GB  
[71] THE WELLCOME FOUNDATION LIMITED, GB  
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[30] GB (8828620.8) 1988-12-07  
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[30] GB (8918893.2) 1989-08-18

[21] **2,271,571**  
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[51] **Int.Cl. 6A61K 9/52 6A61K 38/00 6A61K 45/08 6A61K 7/16 6A61K 47/30 6A61K 9/50**  
[25] EN  
[54] **IMPROVED PHASE SEPARATION-MICROENCAPSULATED PHARMACEUTICAL COMPOSITIONS USEFUL FOR ALLEVIATING DENTAL DISEASE**  
[54] **DES COMPOSITIONS PHARMACEUTIQUES AMELIOREES POUR L'ALLEGEMENT DES AFFECTIONS DES DENTS, MICROENCAPSULEES ET PRESENTANT DE MEILLEURES QUALITES DE SEPARATION DE PHASE**  
[72] LAWTER, James Ronald, US  
[72] LANZILOTTI, Michael Gerard, US  
[71] AMERICAN CYANAMID COMPANY, US  
[22] 1989-12-20  
[43] 1990-06-22  
[62] 2006106  
[30] US (07/288,739) 1988-12-22

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[13] A1  
[51] **Int.Cl. 6H05B 41/38 6H05B 41/02 6C02F 1/32 6H05B 41/36**  
[25] EN  
[54] **VOLTAGE CONVERTER FOR WATER TREATMENT SYSTEM UV BULB**  
[54] **CONVERTISSEUR DE TENSION POUR AMPOULE UV UTILISEE DANS UN SYSTEME DE TRAITEMENT DES EAUX**  
[72] MARKHAM, Ronald C., US  
[71] AMWAY CORPORATION, US  
[22] 1996-07-16  
[43] 1997-02-03  
[62] 2181313  
[30] US (08/510,426) 1995-08-02

[21] **2,271,579**  
[13] A1  
[51] **Int.Cl. 6H05B 3/02**  
[25] EN  
[54] **SURFACE ELEMENT FOR A HEATABLE FLOOR WITH HOLLOW SPACES**  
[54] **ELEMENTS CHAUFFANTS POUR PLANCHER CHAUFFANT CREUX**  
[72] SIEGMUND, Helmut Dieter, DE  
[71] EHT SIEGMUND GMBH, DE  
[22] 1989-10-12  
[43] 1990-05-04  
[62] 2000593  
[30] DE (P 38 37 562.1) 1988-11-04

[21] **2,271,583**  
[13] A1  
[51] **Int.Cl. 6A61M 1/14**  
[25] EN  
[54] **MODULAR HOME DIALYSIS SYSTEM**  
[54] **SYSTEME DE DIALYSE MODULAIRE POUR LA MAISON**  
[72] MINNS, H. Gordon, US  
[72] BROSE, Tom L., US  
[72] MATTHEWS, Dawn, US  
[72] FELDSTEN, Thomas M., US  
[72] PAWLAK, Kenneth E., US  
[72] TREU, Dennis M., US  
[72] BELL, Eric, US  
[72] WILKERSON, Douglas L., US  
[72] PETER, Frederick H., Jr., US  
[72] ADOLF, Wayne F., US  
[72] KENLEY, Rodney S., US  
[72] WALKER, Donald C., US  
[71] AKSYS, LTD., US  
[22] 1996-02-01  
[43] 1996-08-14  
[62] 2168629  
[30] US (08/388,275) 1995-02-13

[21] **2,271,603**  
[13] A1  
[51] **Int.Cl. 6C12N 15/10 6C07H 21/00 6C12Q 1/68**  
[25] EN  
[54] **PROCESS FOR ISOLATING NUCLEIC ACID**  
[54] **PROCEDE D'ISOLEMENT DES ACIDES NUCLEIQUES**  
[72] LENS, Peter Franklin, NL  
[72] ADRIAANSE, Henriëtte Maria Aleida, NL  
[72] BOOM, Willem René, NL  
[72] KIEVITS, Tim, NL  
[71] AKZO N.V., NL  
[22] 1990-03-22  
[43] 1990-09-23  
[62] 2012777  
[30] NL (8900725) 1989-03-23

[21] **2,272,155**  
[13] A1  
[51] **Int.Cl. 6B41J 2/175**  
[25] EN  
[54] **LIQUID STORING CONTAINER FOR RECORDING APPARATUS**  
[54] **CONTENANT POUR LIQUIDE DANS UN APPAREIL ENREGISTREUR**  
[72] UJITA, Toshihiko, JP  
[72] OSADA, Torachika, JP  
[72] TAKENOUCI, Masanori, JP  
[72] KUBOTA, Hidemi, JP  
[72] SATO, Yohei, JP  
[72] WATANABE, Kenjiro, JP  
[72] YAMAKAWA, Koji, JP  
[72] KOTAKI, Yasuo, JP  
[72] TSUKUDA, Keiichiro, JP  
[72] NAKAJIMA, Kazuhiro, JP  
[72] TSUTSUMI, Takayoshi, JP  
[72] SUGAMA, Sadayuki, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 1993-07-28  
[43] 1994-02-01  
[62] 2101478  
[30] JP (205,106/1992) 1992-07-31  
[30] JP (230,797/1992) 1992-08-31  
[30] JP (231,788/1992) 1992-08-31  
[30] JP (281,867/1992) 1992-10-20  
[30] JP (294,309/1992) 1992-11-02  
[30] JP (006,933/1993) 1993-01-19  
[30] JP (006,931/1993) 1993-01-19  
[30] JP (029,429/1993) 1993-02-18

[21] **2,272,157**  
[13] A1  
[51] **Int.Cl. 6B41J 2/175**  
[25] EN  
[54] **INK JET RECORDING APPARATUS USING RECORDING UNIT WITH INK CARTRIDGE HAVING INK INDUCING ELEMENT**  
[54] **MECANISME D'ENREGISTREMENT PAR JET D'ENCRE COMPORTANT UNE UNITE D'ENREGISTREMENT MUNIE D'UN RESERVOIR D'ENCRE AYANT UN ELEMENT D'ALIMENTATION EN ENCRE**  
[72] UJITA, Toshihiko, JP  
[72] TAKENOUCI, Masanori, JP  
[72] TSUKUDA, Keiichiro, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 1993-12-14  
[43] 1995-01-21  
[62] 2111382  
[30] JP (179,195/1993) 1993-07-20  
[30] JP (298,370/1993) 1993-11-29  
[30] JP (298,500/1993) 1993-11-29  
[30] JP (298,501/1993) 1993-11-29

[21] **2,272,160**  
[13] A1  
[51] **Int.Cl. 6B41J 2/175**  
[25] EN  
[54] **LIQUID STORING CONTAINER FOR RECORDING APPARATUS**  
[54] **CONTENANT POUR LIQUIDE DANS UN APPAREIL ENREGISTREUR**  
[72] UJITA, Toshihiko, JP  
[72] OSADA, Torachika, JP  
[72] TSUTSUMI, Takayoshi, JP  
[72] SATO, Yohei, JP  
[72] KOTAKI, Yasuo, JP  
[72] WATANABE, Kenjiro, JP  
[72] NAKAJIMA, Kazuhiro, JP  
[72] SUGAMA, Sadayuki, JP  
[72] KUBOTA, Hidemi, JP  
[72] TAKENOUCI, Masanori, JP  
[72] YAMAKAWA, Koji, JP  
[72] TSUKUDA, Keiichiro, JP  
[71] CANON KABUSHIKI KAISHA, JP  
[22] 1993-07-28  
[43] 1994-02-01  
[62] 2101478  
[30] JP (205,106/1992) 1992-07-31  
[30] JP (230,797/1992) 1992-08-31  
[30] JP (231,788/1992) 1992-08-31  
[30] JP (281,867/1992) 1992-10-20  
[30] JP (294,309/1992) 1992-11-02  
[30] JP (006,933/1993) 1993-01-19  
[30] JP (006,931/1993) 1993-01-19  
[30] JP (029,429/1993) 1993-02-18



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[21] **2,272,184**

[13] A1

[51] **Int.Cl. 6B65G 47/06 6B65B 13/18  
6B65G 47/90**

[25] EN

[54] **METHOD AND APPARATUS FOR  
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[54] **APPAREIL SERVANT A POSER  
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[72] KASEL, Calvin E., US

[71] ILLINOIS TOOL WORKS INC., US

[22] 1996-03-19

[43] 1996-12-13

[62] 2172099

[30] US (08/489,452) 1995-06-12

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[21] **2,272,187**

[13] A1

[51] **Int.Cl. 6B23D 1/00 6B27C 1/04 6B27C  
1/14**

[25] EN

[54] **APPARATUS FOR PERFORMING  
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[54] **APPAREIL POUR OPERATION DE  
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[72] WIXEY, Barry D., US

[72] O'BANION, Michael L., US

[72] WELSH, Robert P., US

[72] GEHRET, Robert S., US

[72] BOYD, P. Brent, US

[72] SHADECK, Louis M., US

[71] BLACK & DECKER INC., US

[22] 1996-07-26

[43] 1997-01-28

[62] 2182153

[30] US (60/002,433) 1995-07-27

[30] US (08/659,684) 1996-06-05

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[21] **2,272,191**

[13] A1

[51] **Int.Cl. 6B23D 1/00 6B27C 1/04 6B27C  
1/14**

[25] EN

[54] **APPARATUS FOR PERFORMING  
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WORKPIECE**

[54] **APPAREIL POUR OPERATION DE  
FORMAGE SUR UNE PIECE**

[72] WELSH, Robert P., US

[72] O'BANION, Michael L., US

[72] BOYD, P. Brent, US

[72] SHADECK, Louis M., US

[72] WIXEY, Barry D., US

[72] GEHRET, Robert S., US

[71] BLACK & DECKER INC., US

[22] 1996-07-26

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[62] 2182153

[30] US (60/002,433) 1995-07-27

[30] US (08/659,684) 1996-06-05

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Singer, Debra L.	2,145,850	Teijin Limited	2,120,262	Vilmin, Gabriel	2,115,305
Siwiak, Kazimierz	2,095,216	TEKRAN INC.	2,119,113	VISA INTERNATIONAL SERVICE ASSOCIATION	2,174,951
Skinner, Neal G.	2,061,701	Teraoka, Reiko	2,010,981	Vogt, Wilfried	2,056,887
Slemeyer, Andreas	2,156,670	Texas A&M University System (The)	2,007,867	Vonderhaar, Michael Francis	2,173,944
Slowley, John	2,176,129	THE KITASATO INSTITUTE	2,049,449	Vondrak, Thomas Frank	2,165,020
SMANS, Guido Franciscus	2,201,264	Thenikl, Henry A.	2,164,663	Wainauski, Harry S.	2,007,958
Smith, B. Jane	2,129,246	Theretz, Alain	2,172,041	Walker, Edna S.	2,129,246
Smith, David D.	2,134,017	Thomas, Todd R.	2,151,152	Walker, George Frederick	2,110,472
Smith, Kevin W.	2,151,152	Thoolen, Franciscus J. M.	2,144,318	Ward, Anthony J.	2,043,045
SMITHKLINE BEECHAM CORPORATION	1,340,702	Thurston, Robert Richard	2,163,499	WARNER-LAMBERT COMPANY	1,340,695
SNYDER, Edward A.	2,217,535	Tip Engineering Group, Inc.	2,000,642	Watkins, Frank T., III	2,109,937
Snyder, Michael Albert	2,164,814	TIW Corporation	2,150,175	WCM INDUSTRIES, INC.	2,165,099
SOCIÉTÉ DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.)	2,093,434	Tokunaga, Yosimitsu	2,088,054	Weber, Walter	2,056,887
Solheim, John A.	2,158,708	Tomita, Mamoru	2,070,882	Weigand, David L.	2,157,727
Song, Joo H.	2,186,458	Toyota Jidosha Kabushiki Kaisha	2,124,274	Weirton Steel Corporation	2,064,811
Sony Corporation	2,002,481	TOYOTA JIDOSHA KABUSHIKI KAISHA	2,188,103	Wells, Robert Lee	2,164,814
Spears, John Hanford	2,165,020	Tracey, Donald Shelley	2,106,311	WESTTECH GEOPHYSICAL, INC.	2,140,748
Spears, Patricia A.	2,142,156	TRANSVALOR	2,097,593	Western Arms	2,173,045
St. Angel, Lindo	2,193,507	Tratnyek, Joseph P.	1,340,705	Westphalen, Karl-Otto	2,011,987
Stadler, Peter	2,056,887	Trickes, Georg	2,145,078	Westvaco Corporation	2,140,597
Stefko, S. Tonya	2,145,850	TRIDELTA INDUSTRIES, INC.	2,247,697	Whalen, Bette Jaye	2,110,472
Stein, Eric	2,120,066	TRIDELTA INDUSTRIES, INC.	2,247,698	White, Christopher	2,135,526
Stenvall, Jouko	2,006,317	Trusler, James H.	2,047,755	Wilding, Peter	2,134,476
Stewart, Kenneth A.	2,157,024	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK (THE)	1,340,702	Willmitzer, Lothar	2,002,403
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Wm. Wrigley Jr. Company	2,189,635
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ABB RESEARCH LTD.	2,256,957	INSTITUTE	2,258,054	CARTNER, William Norman	2,256,929
ACCU-TIME SYSTEMS, INC.	2,242,206	BAYER CORPORATION	2,255,381	CASWELL, Dougl's C.	2,255,416
ACHTERHOF, Dean D.	2,256,935	BAYER CORPORATION	2,256,961	CHAMBON, Alain	2,257,036
ADAMS, Rodney Glen	2,255,311	BAYS, Rodney L.	2,250,446	CHAN, Jack C.	2,256,961
ADAMS, Terry S.	2,257,560	BEAULIEU, Gilles	2,226,022	CHECKETTS, Jed H.	2,225,978
AINA, Stefano	2,257,059	BEGEJA, Lee	2,255,352	CHELEHMAL, Majid	2,256,067
ALBY, Theodore III	2,226,455	BEHNKE, Janica S.	2,254,227	CHEN, Kangyi	2,226,062
ALCATEL	2,256,043	BELL, David N.	2,225,881	CHEN, Patrick, P.	2,254,269
ALCATEL	2,256,107	BELOIT TECHNOLOGIES,		CHESTOPALOV, Iourii	2,220,014
ALCATEL	2,256,122	INC.	2,257,041	CHEVRON CHEMICAL	
ALIG, Leo	2,257,322	BENNETT, James H.	2,244,138	COMPANY LLC	2,253,896
ALIG, Leo	2,257,328	BENTIVOGLIO RAVASIO,		CHEVRON U.S.A. INC.	2,257,011
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ALMEIDA, Gorete	2,258,055	BERRUT, Jean-Bernard	2,256,082	CHOW, David Sing Wah	2,226,062
ALONSO BORREGO, Lorenzo	2,256,043	BERTHEAU, Fernand	2,224,526	CHOW, Weixi	2,226,021
ALONSO, Tirso M.	2,255,352	BERTIN, Denis	2,256,083	CHRISTIE, C. Dale	2,252,177
AMERICAN CYANAMID		BESSET, Christophe	2,224,526	CHUNG, Eun-young	2,256,974
COMPANY	2,226,455	BIANCHI, Lucia	2,256,122	COLAS	2,257,036
AMI, Ben	2,253,696	BIGONEY, Paul R.	2,248,563	COLIZZI, Ernesto	2,256,122
AMSTED INDUSTRIES		BLENKE, Timothy James	2,246,071	CONRADSON, Thor-Björn	2,257,329
INCORPORATED	2,250,965	BLOUNT, Richard J., Jr.	2,257,617	COQUELET, Claude	2,255,202
AMSTED INDUSTRIES		BODELIN-LECOMTE, Sophie	2,256,065	COSMOS ENTERPRISES, INC.	2,256,084
INCORPORATED	2,252,177	BOEHM, Claudine	2,256,082	COTÉ, Jean-François	2,225,879
ANDERSON, Gary V.	2,254,227	BOJANIC, Alexander	2,226,063	COTÉ, Jean-François	2,226,061
ANDERSON, Ralph L.	2,255,217	BRADY, Jean Marie	2,242,039	CRAYCRAFT, Cecil P.	2,256,935
ANDERSSON, Bertil	2,257,329	BRASS-CRAFT		CUMMING, Francis Alexander	2,257,611
ANDREYCHUK, Mark T.	2,235,555	MANUFACTURING		CZYZEWSKA, Ewa Krystyna	2,255,490
ARA GOMEZ, Javier	2,256,107	COMPANY	2,253,696	DANA CORPORATION	2,256,815
ARECCO, Fulvio	2,257,052	BRAUN, Peter	2,257,326	DART INDUSTRIES INC.	2,255,357
ARKWRIGHT		BRAZEE, Carolyn M.	2,254,227	De CASTRO Emory S.	2,256,975
INCORPORATED	2,257,587	BREAKENRIDGE, Anthony		DE LA CRUZ MORENO,	
ARMAND, Paul	2,256,163	Richard	2,219,866	Enrique	2,256,107
ASTRA AKTIEBOLAG	2,257,329	BREDESON, Elizabeth	2,248,756	DE LA RUE GIORI, S.A.	2,255,787
AT&T CORP.	2,235,690	BREDESON, Elizabeth	2,248,781	DE NORA S.P.A.	2,256,975
AT&T CORP.	2,235,873	BREDESON, Elizabeth	2,248,786	DEBERT, Danièle	2,256,065
AT&T CORP.	2,255,352	BRIDGESTONE		Deckers Outdoor Corporation	2,227,352
AT&T CORP.	2,255,461	CORPORATION	2,257,002	DELPANO, Gian Carlo	2,257,324
AT&T CORP.	2,256,640	BRISTOL-MYERS SQUIBB		DELROSSO, Giovanni	2,257,588
AT&T CORP.	2,256,814	COMPANY	2,250,446	DeMARINIS, Michael	2,256,975
AT&T CORP.	2,256,817	BROKER, John F.	2,252,258	DePREE, Michael L.	2,256,935
AT&T CORP.	2,256,819	BURGESS, William H.	2,254,328	DIMARCO, Mario	2,257,602
AT&T CORP.	2,256,912	BURGHARDT, Dale Alan	2,246,071	DiMARIA, Peter C.	2,242,206
AT&T CORP.	2,255,352	CABLE TELEVISION		D'INGIANNI, Rita	2,255,311
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BARA, Isabelle	2,256,081	CALKINS, Edward H.	2,257,019	DONALD, Shane Craig	2,226,021
BARA, Isabelle	2,250,965	CAMERON, Garnet	2,255,311	DSM CHEMIE LINZ GMBH	2,257,562
BARKER, Ronald E.	2,255,461	CAMMENGA, Eric	2,256,935	DUNLOP, Kenn W.	2,219,525
BARZEGAR, Farhad	2,256,814	CAMPBELL, Scott Douglas	2,227,103	EDENHOFER, Albrecht	2,257,322
BARZEGAR, Farhad	2,244,138	CAMPBELL, Scott Douglas	2,227,188	EDENHOFER, Albrecht	2,257,328
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BASF CORPORATION	2,248,781	CORPORATION	2,235,555		



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ELF ANTAR FRANCE	2,256,163	HAIDER, Karl W.	2,256,961	KIMBERLY-CLARK WORLDWIDE, INC.	2,254,328
ELF ATOCHEM S.A.	2,256,083	HAKIM, Shafik Jalal	2,257,051	KIMBERLY-CLARK WORLDWIDE, INC.	2,255,217
ELF EXPLORATION PRODUCTION	2,256,082	HAMLIN, James K.	2,255,174	KLOTZ-ENGMANN, Gerold	2,257,584
ELIASSON, Baldur	2,256,957	HARRIS, Gerald R.	2,251,101	KNECHT, Dennis M.	2,256,940
ENDRES, Paul	2,256,527	HAWTHORNE, V. Terrey	2,250,965	KNUDSON, Robert Marius	2,255,490
ENDRESS + HAUSER GMBH + CO.	2,257,584	HEATHCOCK, John A.	2,254,323	KOBREHEL, Gabrijela	2,256,017
ENDRESS + HAUSER GMBH + CO.	2,257,585	HEM, INC.	2,251,101	KOGELSCHATZ, Ulrich	2,256,957
ERIKSSON, Göran	2,257,329	HEMOSOL INC.	2,225,881	KOGOWSKI, Gary	2,244,138
ESTEY, John W.	2,255,391	HENDERSON, Cynthia W.	2,254,237	KONRARDY, Neil E.	2,252,177
ETHICON INC.	2,256,960	HENDERSON, Cynthia W.	2,254,270	KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY	2,256,974
EWIKON HEISSKANAL-SYSTEME GMBH & CO. KOMMANDITGESELLSCHAFT	2,257,326	HERMAN MILLER, INC.	2,256,935	KRISHNAN, Sivaram	2,255,381
F.HOFFMANN-LA ROCHE AG	2,257,322	HERZBERG, John L.	2,254,270	KRONE AKTIENGESELLSCHAFT	2,256,905
F.HOFFMANN-LA ROCHE AG	2,257,327	HERZBERG, John L.	2,254,323	KRYNOCK, Lorrie L.	2,254,237
F.HOFFMANN-LA ROCHE AG	2,257,328	HILL, Derek Anthony	2,265,194	KRZYSIK, Duane G.	2,254,237
FALK INTEGRATED TECHNOLOGIES, INC.	2,255,174	HILL, Graham Thronton	2,265,194	KUBSIK, Robert H.	2,255,137
FARMEX INC.	2,256,663	HILPERT, Kurt	2,257,322	KUHNER, John	2,254,751
FISHER, Simon Lawrence	2,257,611	HILPERT, Kurt	2,257,328	KUJUNDZIC, Nedjeljko	2,256,017
FLEGEL, David D.	2,255,443	HISCOCK, James Scott	2,255,416	KWABI, Christopher K.	2,256,817
FLOGEL, Karl	2,257,584	HOLLINGTON, Geoff A.	2,256,935	LABORATOIRE CHAUVIN S.A.	2,255,202
FONTAN TARODO, Antonio	2,256,107	HOLMES, John A.	2,256,956	LACHAPELLE, Gilles	2,222,913
FORD GLOBAL TECHNOLOGIES, INC.	2,254,500	HONEYWELL INC.	2,257,602	LAD, Raman	2,255,311
FOX, Billy Shane	2,256,849	HOWARD, Mark	2,227,103	LAIL, Jason C.	2,256,844
FRANKFURT, Chris	2,256,062	HOWARD, Mark	2,227,188	LANE, Richard A.	2,250,446
FRANZ, Uli W.	2,256,961	HU, Ming	2,233,744	LANGLOIS, Carl	2,222,918
FRASCOLLA, Massimo	2,257,058	HUANG, Kenny Xiaojian	2,256,817	LANQUIST, Todd C.	2,256,998
FREDETTE, Bernard	2,219,521	HUBER, Ulrich	2,257,327	LATOUR, Elisabeth	2,255,202
FREITAG, Gordon	2,226,043	HUELS SILICONE, GMBH	2,257,565	LAUTEN, Jim	2,225,970
GABRIELE, Angelo	2,226,066	HUNTER, Douglas T.	2,225,970	LAZAR, Glen F.	2,250,965
GALEOTTI, Adriano	2,257,588	IBM CANADA LIMITED - IBM CANADA LIMITEE	2,226,062	LAZAREVSKI, Gorjana	2,256,017
GALLENBERG, Ronald J.	2,257,023	INFOSINO, William J.	2,256,819	LEE, Dominic	2,257,605
GAUTHIER, Jerome M.	2,255,969	INNOVENTOR ENGINEERING, INC.	2,256,245	LEE, Hyung-jae	2,256,585
GAUTHIER, Jerome M.	2,255,995	INTERTECHNIQUE	2,224,526	LEE, Yeong-gyu	2,256,585
GAUTHIER, Jerome M.	2,255,997	JACKSON, OkSu Sin	2,227,352	LEVITON MANUFACTURING CO., INC.	2,256,527
GAUTHIER, Pierre	2,226,061	JAELMINGER, Göran	2,248,734	LIN, Chen-Chy	2,257,002
GENERAL MILLS, INC.	2,251,146	JAELMINGER, Göran	2,249,694	LIU, Wen-Neng	2,223,188
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GERSZBERG, Irwin	2,235,873	JAMROG, James R.	2,254,500	LogicVision, Inc.	2,225,879
GERSZBERG, Irwin	2,255,461	JAVITT, Joel I.	2,235,873	LogicVision, Inc.	2,226,061
GERSZBERG, Irwin	2,256,640	JENSEN, Kent Gray	2,225,988	LOHBECK, Wilhelmus Christianus Maria	2,257,611
GERSZBERG, Irwin	2,256,814	JERVIS B. WEBB COMPANY	2,255,137	L'OREAL	2,256,062
GERSZBERG, Irwin	2,256,817	JOHNSON, James C.	2,243,927	L'OREAL	2,256,065
GERSZBERG, Irwin	2,256,912	JONES, Charles R.	2,256,815	L'OREAL	2,256,080
GIEBEL, Markus A.	2,256,940	JONSSON, E. Haakan	2,256,961	L'OREAL	2,256,081
GIL, Amos	2,253,696	KAMEN, Melvin Edwin	2,233,744	L'OREAL	2,256,948
GILBERT, Stephen G.	2,250,446	KAY CHEMICAL COMPANY	2,257,057	L'OREAL	2,256,949
GIULIANI, Gianpaolo	2,257,324	KEENUM, John A.	2,256,998	LORSCHIEDER, Jörg	2,256,905
GLASS, Brian E.	2,251,146	KELNERIC, Zeljko	2,256,017	LOTINSKY, Peter J.	2,256,905
GLASS, Richard W.	2,257,554	KEMIX (PROPRIETARY) LIMITED	2,256,929	LUCENT TECHNOLOGIES INC.	2,257,051
GNATOWSKI, Marek Jan	2,255,490	KENBEEK, Dennis L.	2,257,321	LUCIDARME, Thierry	2,256,939
GRAMM, Richard	2,257,049	KENNY, Donald V.	2,258,054	LUKIC, Irena	2,256,002
GRAMM, Richard	2,257,049	KIMBERLY-CLARK WORLDWIDE, INC.	2,246,071	LUO, Dexin	2,233,744
GRAY, Daniel H.	2,252,177	KIMBERLY-CLARK WORLDWIDE, INC.	2,254,207	LUTHER, James P.	2,256,940
GRIENGL, Herfried	2,257,562	KIMBERLY-CLARK WORLDWIDE, INC.	2,254,227	LYSSIKATOS, Joseph Peter	2,257,016
GRIFFITH-SKINNER, Nigel Arthur	2,265,194	KIMBERLY-CLARK WORLDWIDE, INC.	2,254,269	MA, Muyuan M.	2,257,323
GROVE, Clinton E.	2,256,084	KIMBERLY-CLARK WORLDWIDE, INC.	2,254,270		
GROVE, Robert D.	2,256,084				

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MALIVERT, Christian	2,256,163	OTTO, Ricky David	2,227,352	ROBINSON, Gene E.	2,257,011
MARGIOTTIELLO, John	2,226,040	OTTOLINGHI, Paolo	2,257,058	ROMAIN, Dennis Matthew	2,256,640
MARION, Charles D.	2,256,844	PACKHAM, Terence William	2,265,194	ROSTHAUSER, James W.	2,255,381
MARRIOTT, Cameron Frank	2,225,988	PAPAVASSILIOU, Vasilis	2,257,557	ROY, Sumit	2,256,817
MARTIN, Jeffrey S.	2,235,873	PARK, Moo-youn	2,256,926	ROZUM, Andrew L., Jr.	2,255,544
MARTIN, Jeffrey S.	2,256,912	PARKER, Carleton J., III	2,257,057	RUDBERG-TAMM, Marianne	2,248,734
MARTINI, Giacomo	2,255,787	PARKINSON, Kevin G.	2,257,616	RUSSELL, Jesse Eugene	2,235,690
MAST, Stephen O.	2,256,834	PAVLOVIC, Dina	2,256,017	RUSSELL, Jesse Eugene	2,256,640
MAXAGRID INTERNATIONAL, INC.	2,256,849	PERLBERG, William	2,257,554	S&C ELECTRIC COMPANY S.D.T.O.	2,255,391
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MAZIVIERO, Paulo Roberto	2,257,024	PETERS, Mark A.	2,256,961	SABBAGH, Anne	2,256,948
MCALPINE, Warren W.	2,256,834	PFÄNDLER, Martin	2,257,585	SABBAGH, Anne	2,256,949
MCDONALD, Clayton C.	2,255,137	PFEIFFER, Helmut	2,257,584	SAMOLINSKI, Patricia L.	2,254,323
McKINNEY, Christopher R.	2,254,323	PFIZER PRODUCTS INC.	2,257,016	SAMSUNG ELECTRONICS CO., LTD.	2,254,573
MCLAUGHLIN, William	2,257,560	PICIACCIA, Stefano	2,257,059	SAMSUNG ELECTRONICS CO., LTD.	2,256,585
McMAHON, Michael	2,256,663	PINARD, Deborah L.	2,255,316	SAMSUNG ELECTRONICS CO., LTD.	2,256,926
MEDEIROS, Douglas Barbosa	2,257,024	PIOT, Bertrand	2,256,065	SAMSUNG ELECTRONICS CO., LTD.	2,256,974
MEDICAL MANAGEMENT INTERNATIONAL, INC.	2,227,103	PIRELLI AMBIENTE S.P.A.	2,257,324	SAMSUNG ELECTRONICS CO., LTD.	2,256,974
MEDICAL MANAGEMENT INTERNATIONAL, INC.	2,227,188	PIRELLI CAVI E SISTEMI S.P.A.	2,257,052	SAMSUNG ELECTRONICS CO., LTD.	2,254,485
MELI, Fausto	2,257,059	PIRELLI CAVI E SISTEMI S.P.A.	2,257,058	SCHIFFTNER, Kenneth C.	2,257,058
MEYER, Philipp Paul	2,248,734	PIRELLI CAVI E SISTEMI S.P.A.	2,257,059	SCHMIDT, Michael	2,257,562
MEYER, Philipp Paul	2,249,694	PITNEY BOWES INC.	2,257,321	SCHOLEY, Peter	2,257,565
MILES, George A.	2,256,935	PLIVA FARMACEUTSKA, KEMIJSKA, PREHRAMBENA I KOZMETICKA INDUSTRIJA, DIONI	2,256,002	SCHOOTS, Richard	2,226,047
MILLER, D. Scott	2,255,357	PLIVA FARMACEUTSKA, KEMIJSKA, PREHRAMBENA I KOZMETICKA INDUSTRIJA, DIONI	2,256,017	SCHWARTZ, David S.	2,257,554
MILLER, Robert Raymond II	2,235,690	POCHLAUER, Peter	2,257,562	SCHWARTZ, Norman Stephen	2,255,416
MILLER, Robert Raymond II	2,235,873	POTEAT, Jere	2,256,245	SCOVILLE, Eugene	2,248,734
MILLER, Robert Raymond II	2,256,640	POZNIAK, Jennifer Elizabeth	2,246,071	SCOVILLE, Eugene	2,249,694
MILLS, Gregory A.	2,256,839	PRAXAIR TECHNOLOGY, INC.	2,257,024	SEVERANCE, Richard A. (deceased)	2,258,054
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HAUSER, Ernest M.	2,271,502	STRAND, Timothy Carl	2,271,540		
HENDRICKS, John S.	2,271,552	STRAND, Timothy Carl	2,271,541		
HENDRICKS, John S.	2,271,555	STRAND, Timothy Carl	2,271,542		
HYDE, Richard Martin	2,271,566	STRAND, Timothy Carl	2,271,543		
ILLINOIS TOOL WORKS INC.	2,272,184	SUGAMA, Sadayuki	2,272,155		
INTERNATIONAL BUSINESS		SUGAMA, Sadayuki	2,272,160		
MACHINES CORPORATION	2,271,540	TAKENOUCHI, Masanori	2,272,155		
INTERNATIONAL BUSINESS		TAKENOUCHI, Masanori	2,272,157		
MACHINES CORPORATION	2,271,541	TAKENOUCHI, Masanori	2,272,160		
INTERNATIONAL BUSINESS		THE ROWETT RESEARCH			
MACHINES CORPORATION	2,271,542	INSTITUTE	2,271,544		
INTERNATIONAL BUSINESS		THE WELLCOME FOUNDATION			
MACHINES CORPORATION	2,271,543	LIMITED	2,271,566		
KASEL, Calvin E.	2,272,184	TREU, Dennis M.	2,271,583		
		TROPSHA, Yelena G.	2,271,504		