



Seminario:
IL BREVETTO UNIVERSITARIO
TRA RICERCA E MERCATO

**LA PROCEDURA BREVETTUALE
EUROPEA ED INTERNAZIONALE**

Ing. Elio Lo Conte
European Patent Office - The Hague
Lecce, ottobre 2004



The European Patent Office





Europäisches Patentamt
Office européen des brevets
European Patent Office



The fingerprint is universally recognised as an identifying mark and symbol of individuality. In stylised form, it embodies the qualities required by the EPO.



SOMMARIO

- Il brevetto e la sua estensione all'estero
- l'Ufficio Europeo Brevetti (EPO)
 - Procedura, costi, statistiche
- La domanda di brevetto internazionale PCT
- Informazione brevettuale:
 - *esp@cenet*
 - *epoline*
- Possibilità di lavoro offerte dall'EPO
- Il futuro del brevetto europeo



**INVENZIONI :
non conoscono frontiere**




**BREVETTI :
validità
geografica
limitata**



ESTENSIONE ALL'ESTERO di un brevetto nazionale

3 possibilità :

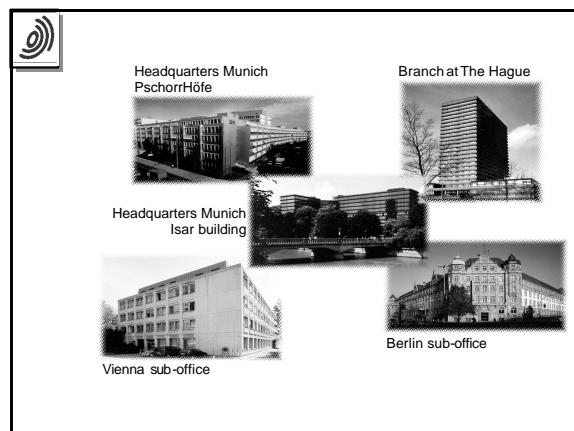
- varie domande nazionali
- domanda europea
- domanda internazionale (PCT)

La convenzione di Parigi del 1883

- Diritto di priorità
(12 mesi di tempo per le estensioni)

Procedure per l'estensione all'estero

- **Europea:**
28 paesi europei
(AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LI, LU,
MC, NL, PL, PT, RO, SE, SI, SK, TR)
- **Internazionale (PCT):**
Oltre 120 paesi aderenti al
Patent Cooperation Treaty
- **Procedure nazionali**



La Missione dell'UEB

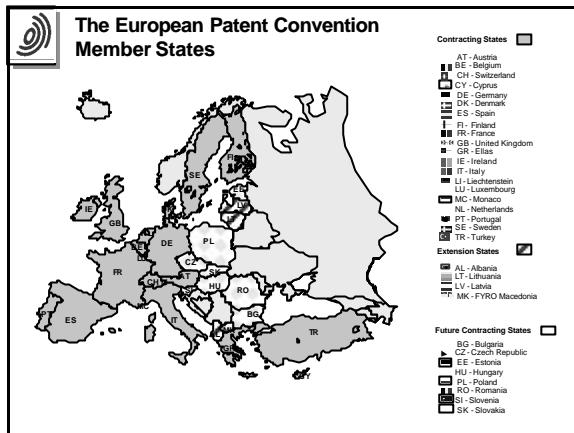
*Incoraggiare
l'innovazione,
la competitività e
l'economia in Europa*

4 linee strategiche per la messa in pratica della missione:
Set patent protection standards based on user needs
Set global benchmark for best patent practice
Promote a knowledge based society in Europe
Be a model international public service organisation

Condizioni necessarie al successo:
Master the Workload
Promote sense of personal responsibility

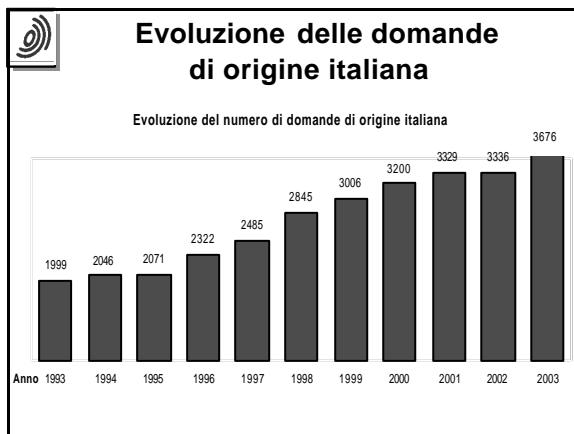
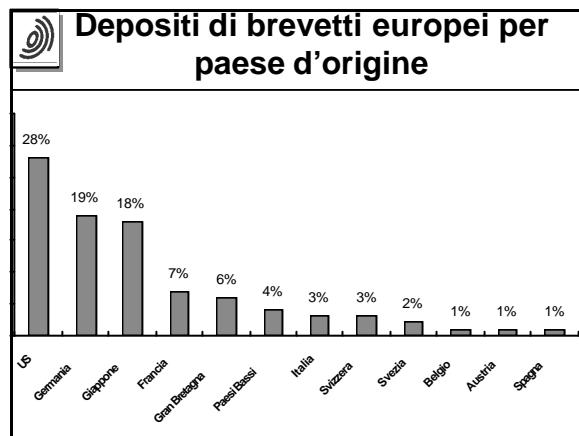
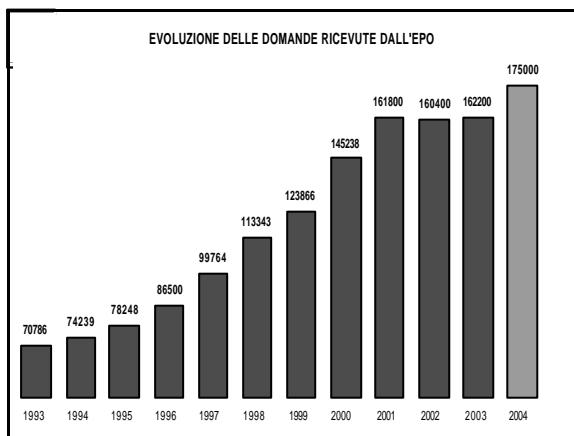
I compiti principali dell'UEB :

- centralizzare la procedura di deposito, di ricerca, di esame e di concessione dei brevetti in più paesi d'Europa.
- gestire le attività di informazione brevettuale in Europa per facilitarne l'accesso e l'uso.



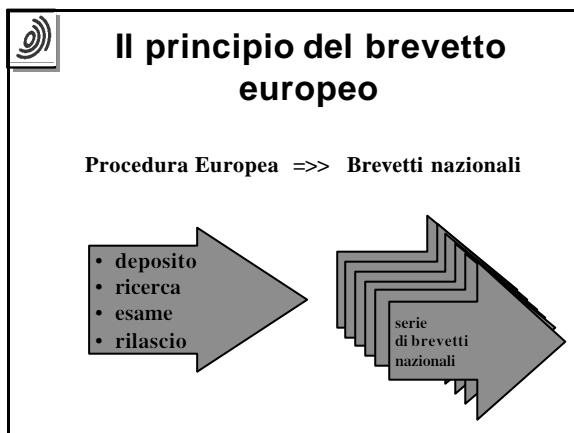
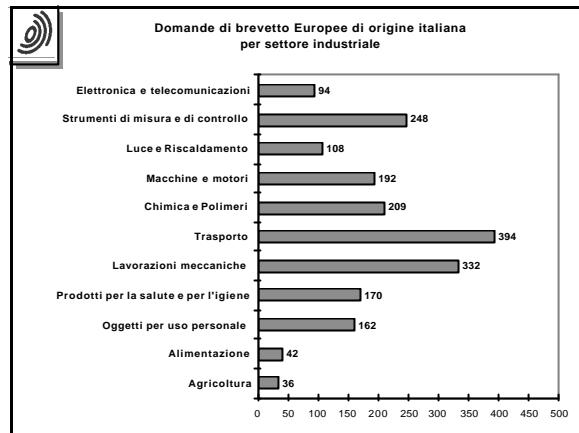
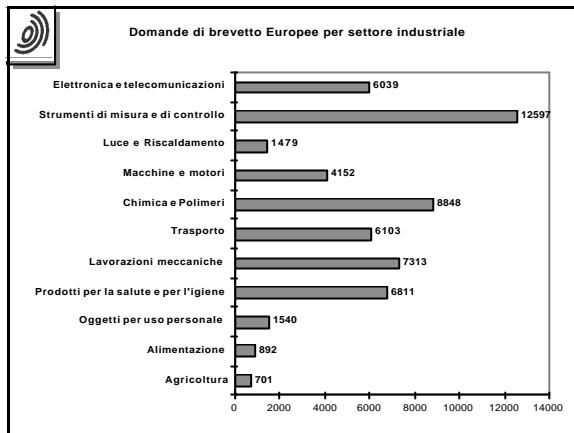
Storia

- Nascita : Convenzione sul Brevetto Europeo, Monaco, 1973**
- Numero di domande europee nel 2000: circa 130 mila**
- Dalla creazione dell'EPO ad oggi :**
 - Oltre un milione duecentomila domande europee pubblicate
 - Oltre 500.000 brevetti europei rilasciati.
- Personale : circa 5600 funzionari prestano servizio presso le sedi di Monaco di Baviera, L'Aja, Berlino e Vienna**



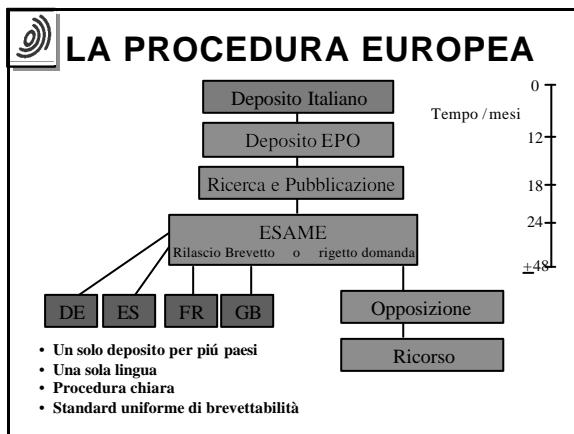
Ricerca e Brevetti in Italia

- Brevettazione in Italia
- Meno di 3% dei brevetti Europei
- Investimenti in ricerca e sviluppo
- Cultura Brevettuale
- Sistema giudiziario
- + Informazione + Investimenti



Vantaggi del Brevetto Europeo

- **SEMPLICE**
- **ECONOMICO**
- **FORTE GIURIDICAMENTE**

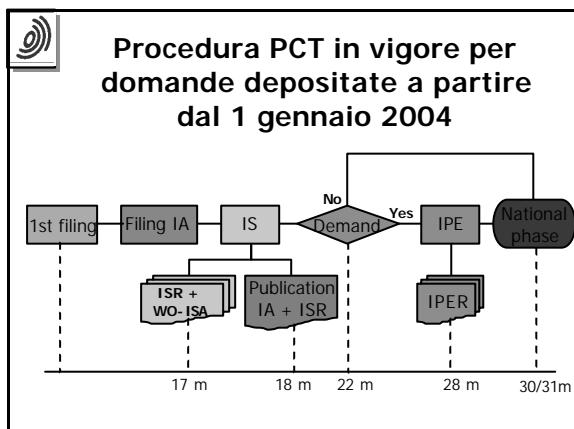
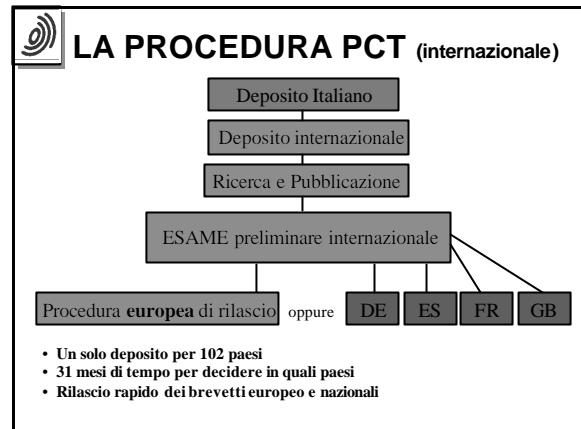


Stima costo di brevetto europeo

Base di riferimento: Domanda di brevetto europea di 20 pagine

Tasse EPO *	Euro	(1100 dal 2005)
• Deposito e ricerca	800	
• Esame e rilascio	3.500	
Onorario agente brevettuale	4.300	
Convalida brevetti nazionali e traduzioni	5.000	
Total Euro	20.300	

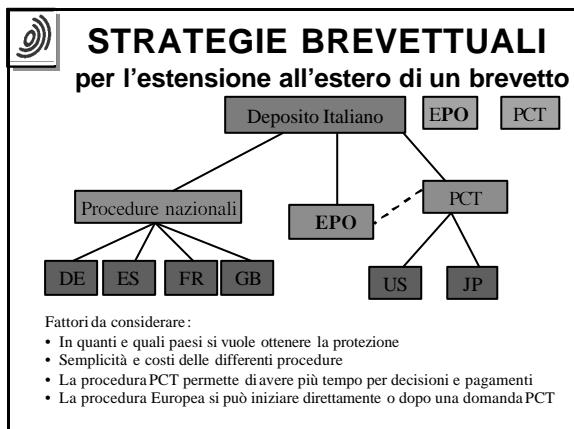
* Riduzioni in caso di domande depositate per via elettronica



Costi della domanda PCT

Tasse EPO	
• Deposito e ricerca	Euro 800 / 1.100
• Esame e rilascio	3.500
	Euro 4.300 / 4.600
Base di riferimento: Domanda di brevetto internazionale di 30 pagine	
Tasse Deposito internazionale * Euro 900	
• Ricerca internazionale (con WOISA) presso l'EPO 1.550	
• Esame preliminare 1.530	

Euro 3.980	
Da aggiungere tasse di rilascio, spese di agenti e traduzioni	
* Riduzioni in caso di domande depositate per via elettronica	



-
- ## Il Futuro del Brevetto Europeo
- Ridurre i tempi di rilascio**
 - BREVETTO COMUNITARIO**
 - Vantaggi
 - Problemi

 **Il Brevetto d'invenzione**

Le 2 funzioni del brevetto:

- Protezione dell'innovazione
- Fonte di informazione

 **Il brevetto come fonte di informazione**

- Ogni anno, solo in Europa, 30.000 miliardi di Lire sono spesi per delle ricerche già svolte da altri.
Il 30% della ricerca è un doppione !
- Il brevetto è una pubblicazione scientifica: l'80 % delle informazioni contenute nei brevetti non sono pubblicate in nessun altro documento.



 **L'EPO nella diffusione dell'informazione brevetti**

Facilitare la consultazione delle banche dati brevettuali al fine di stimolare l'innovazione

 **esp@cenet**

Banca dati di brevetti di tutto il mondo (**contenente oltre 50 milioni di documenti**) su Internet che permette ricerche gratuite e visualizzazione dei documenti completi di brevetto

<http://it.espacenet.com>
<http://ep.espacenet.com>




Ministero delle Attività Produttive

 **Europe's Network of patent databases**

usa la rete esp@cenet per cercare:

Domande di brevetto nella loro lingua originale da

- Italia
- altri paesi europei
- l'Ufficio europeo dei brevetti
- l'Organizzazione mondiale della proprietà intellettuale (PCT)

Domande di brevetto, con un riassunto e titolo in inglese da

- Mondo - 30 milioni di documenti
- Giappone

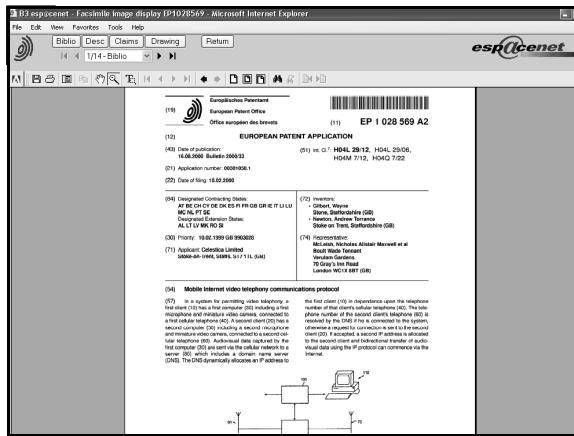
e mostrai documenti completi:
30 milioni di documenti

B@esp@cenet - Search Patent in Worldwide database EPODOC - Netscape

La ricerca stata attuata per (mobile AND telephone AND internet)<TITLE OR ABS>
13 Sono stati trovati documenti che rispettano le condizioni di ricerca.

Numero del brevetto	Titolo
WO9859506	IMPROVEMENTS IN OR RELATING TO INFORMATION DISTRIBUTION
EP0889660	Wireless information processing terminal and controlling method thereof
WO9852342	METHOD AND APPARATUS FOR SELECTIVE CALL FORWARDING
EP0877532	A system and a method for transferring a call and a mobile station
US5793762	System and method for providing packet data and voice services to mobile subscribers
WO9834203	METHOD AND APPARATUS FOR PERFORMING FINANCIAL TRANSACTIONS USING A MOBILE COMMUNICATION UNIT
EP0849925	Enhanced message centre
EP0847176	User invocation of services in public switched telephone network via parallel data networks
WO9812883	GLOBAL TWO-WAY PAGING USING THE INTERNET
WO9810307	LOCATION OF A MOBILE STATION
US5726984	Hierarchical data collection network supporting packetized voice communications among wireless terminals and telephones
WO9803005	METHOD IN TELECOMMUNICATION OPERATING SERVICE
WO97d5814	REAL TIME SYSTEM AND METHOD FOR REMOTE PURCHASE

Document Done



Ministero delle Attività Produttive

Europe's Network of patent databases

usa la rete esp@cenet per cercare:

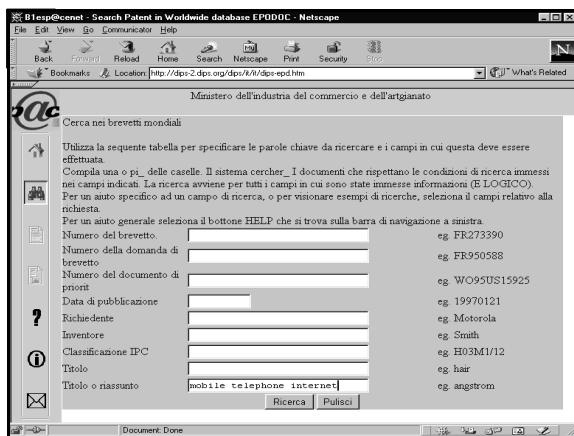
Domande di brevetto nella loro lingua originale da

- Italia
- altri paesi europei
- l'Ufficio europeo dei brevetti
- l'Organizzazione mondiale della proprietà intellettuale (PCT)

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e mostrai documenti completi:
30 milioni di documenti



Ministero delle Attività Produttive

Europe's Network of patent databases

usa la rete esp@cenet per cercare:

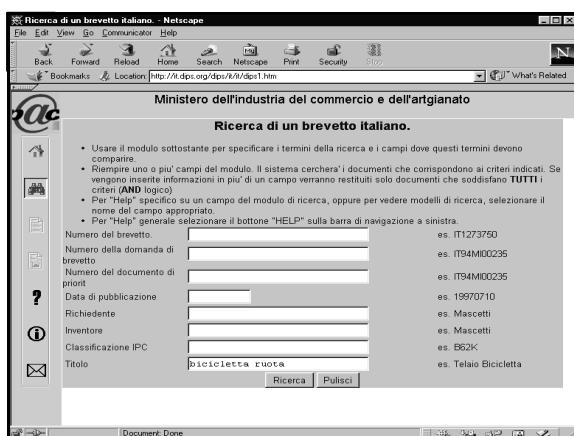
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- altri paesi europei
- l'Ufficio europeo dei brevetti
- l'Organizzazione mondiale della proprietà intellettuale (PCT)

Domande di brevetto, con un riassunto e titolo in inglese da

- Mondo - 30 milioni di documenti
- Giappone

e mostrai documenti completi:
30 milioni di documenti



Ricerca di un brevetto italiano. - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Location: http://it.dps.org/dps/it/b/dpi1.htm What's Related

Ministero dell'industria del commercio e dell'artigianato

Ricerca di un brevetto italiano.

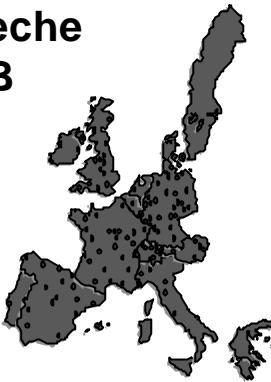
La ricerca stata attuata per bicicletta ruota nel titolo
6 Sono stati trovati documenti che rispettano le condizioni di ricerca, 1 - 6 visualizzati.

Per vedere dei dettagli riguardanti un brevetto selezionare il numero corrispondente..

Numero del brevetto	Titolo
ITTO950426	RUOTA ANTERIORE DI BICICLETTA
ITTO950425	RUOTA POSTERIORE DI BICICLETTA
ITMI951758	PROCEDIMENTO DI FABBRICAZIONE DI UN MOZZO DI RUOTA DI BICICLETTA E MOZZO OTTENUTO CON IL PROCEDIMENTO STESSO
ITFR960011	BICICLETTA CON CAMBIO A PIU' VELOCITA' E TRASMISSIONE A CATENA CON PEDALI ALL'ESTERNO DELLA RUOTA POSTERIORE
ITFR970003	BICICLETTA, CON ELEVATA RESA ENERGETICA, PEDALI ALL'ESTERNO DELLA RUOTA POSTERIORE CON CAMBIO A PIU' VELOCITA' E TRASMISSIONE A CATENA.
ITMI970128	BICICLETTA COMPORTANTE MEZZI PER RENDERE MOTRICE ANCHE LA RUOTA ANTERIORE

 **Le biblioteche
PATLIB**

Rete di oltre 120 biblioteche brevettuali e centri di informazioni sui brevetti in Europa



 **Centri di informazioni brevetti
PATLIB in Italia**

In questo momento ci sono in Italia 55 biblioteche brevettuali presso Università o Camere di Commercio:

- Roma (presso l'Ufficio Italiano Brevetti), Bologna, Cosenza, Firenze, Genova, Lecce, Milano, Napoli, Pescara, Torino

La lista aggiornata (con gli indirizzi) di questi centri si trova a:

<http://patlib.european-patent-office.org/directory/overview.pl>

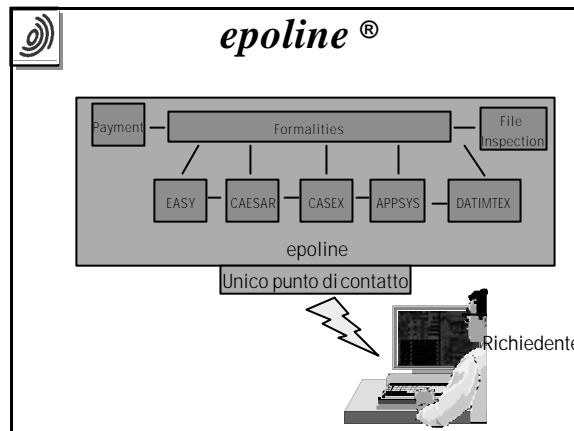
<http://siba2.unile.it/patlib/itpatlib.htm>



Centri aperti dal 1996
Centri aperti nel 1999
Centri aperti dal 2000 al 2001

 **epoline®**

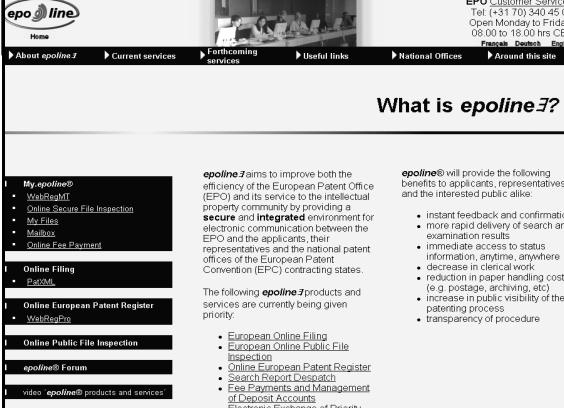
- Gestisce in modo elettronico e sicuro i contatti con l'Ufficio Europeo Brevetti e con gli uffici nazionali**
- Gestisce le transazioni finanziarie**
- Semplifica le procedure**
- Diminuisce il lavoro amministrativo per i richiedenti e per i consulenti**



 **www.epoline.org**

Con il progetto epoline l'EPO desidera migliorare la sua efficienza ed i servizi ai suoi clienti via Internet in un ambiente sicuro ed integrato. I principali prodotti di epoline oggi sono:

- Deposito di una domanda via Internet - **ONLINE FILING**
- Ispezionare un dossier d'esame – **ONLINE PUBLIC FILE INSPECTION**
- Consultare il registro domande ep – **ONLINE EUROPEAN PATENT REGISTER**
- Ricevere il Rapporto di ricerca – **SEARCH REPORT DISPATCH**
- Effettuare i pagamenti delle tasse procedurali – **FEES PAYMENTS**
- Inoltrare i documenti di priorità. – **EXCHANGE OF PRIORITY DOCUMENTS**



What is epoline?

epoline aims to improve both the efficiency of the European Patent Office (EPO) and service to its actual private community by providing a **secure and integrated** environment for electronic communication between the EPO and the applicants, their representatives and the national patent offices of the European Patent Convention (EPC) contracting states.

The following **epoline** products and services are currently being given priority:

- European Online Filing
- European Online Public File Inspection
- Online European Patent Register
- Search Report Dispatch
- Fee Payments
- Management of Deposit Accounts
- Electronic Exchange of Priority Documents

epoline will provide the following benefits to applicants, representatives and the interested public alike:

- instant feedback and confirmation
- more rapid delivery of search and examination results
- immediate access to status information, anytime, anywhere
- decrease in client work
- reduction in paper handling costs (e.g. postage, archiving, etc.)
- increase in public visibility of the patenting process
- transparency of procedure



Vantaggi di *epoline*

epoline® fornisce i seguenti vantaggi agli inventori, ai ricercatori, ai consulenti ed al pubblico in generale:

- Conferma di ricezione immediata da parte dell'EPO
- Ricevimento rapido del rapporto di ricerca e delle comunicazioni d'esame
- Accesso continuo alle informazioni sullo stato del dossier
- Diminuzione del lavoro amministrativo
- Riduzione dei costi postali
- Trasparenza della procedura



IPC = CIB Classificazione Internazionale Brevetti

- Classificazione sistematica dei documenti brevettuali
- Accesso ai documenti
 - definizione dello stato dell'arte in un determinato dominio della tecnica
 - ricerche di anteriorità
 - valutazione dell'attività inventiva



Storia

- 1791 Titoli dei brevetti in ordine alfabetico (Francia)
- 1872 Classificazione USA
(Classe = determinato soggetto)
- 1949-67 Discussioni sullo sviluppo di una Classificazione Europea
- 1971 Accordo di Strasburgo sulla Classificazione Internazionale di Brevetti (CIB-IPC)
- 1977 Sistema di Classificazione Europea (ECLA)
- 2000 Progetto Harmony – Unica Classificazione EPO-USPTO -JPO



Aggiornamenti

- Revisione periodica (EPO + Uffici Nazionali) sotto la supervisione di OMPI
 - Introduzione delle nuove tecnologie
 - eliminazione di sovrapposizioni, errori ed inconsistenze
 - miglioramento delle sotto-divisioni
 - Nuova edizione ogni 5 anni
 - IPC7 in vigore da 01.01.2000
 - IPC1. Settembre 1968 - Giugno 1974
 - IPC2. Luglio 1974 - Dicembre 1979
 - IPC3. January 1, 1980 - Dicembre 1984
 - IPC4. January 1, 1985 - Dicembre 1989
 - IPC5. January 1, 1990 - Dicembre 1994
 - IPC6. January 1, 1995 - Dicembre 1999



Disponibilità Internet

- Testo completo ufficiale in inglese e francese
- <http://www.wipo.org/classifications/en/IPC/>
 - <http://www.wipo.int/classifications/fr/IPC/>
- Catchword index (inglese)-indice alfabetico
- http://www.wipo.org/classifications/fulltext/new_IPC/IPC7/ecw.htm
- Versione in tedesco del DPA
- <http://www.depatisnet.de/IPC/index.html>
- Versione commerciale in 5 lingue (gratuita fino a gruppi principali)
- <http://www.dagostini.it/patclass/patclass>
- Testo completo ECLA
- <http://2.espacenet.com/espacenet/ecla/index/index.htm>
- Guida in inglese e francese
- http://www.wipo.int/classifications/fulltext/new_IPC/guideeng.htm
 - http://www.wipo.org/classifications/fulltext/new_IPC/guidefre.htm



Disponibilità

- Forma stampata
 - 8 sezioni (A-H) (vol. 1-8)
 - 1 indice (vol. 9)
 - 1 guida (vol. 10)
- Lingue
 - Inglese e Francese (lingue OMPI)
 - Arabo ... Russo ... Serbocroato ... Tedesco (Traduzione DPA – Carl Heymanns Verlag KG)
 - Italiano: non ancora disponibile
- CATCHWORD INDEX (inglese e francese)
- Stich- und Schlagwörterverzeichnis zur IPk
- CD ROM con guida "IPC:Class"
- INTERNET



Struttura

- **8 Sezioni es: A**
(Sottosezioni)
- 120 Classi es: A47
- 628 Sottoclassi es: A47B
- 69000 Gruppi es: A47B13/00
(gruppi principali, 10%, e sottogruppi)



Sezioni

Simbolo: Una lettera maiuscola (A-H)
Indicazione generale del contenuto

- | | |
|---|---|
| A | Human Necessities |
| B | Performing Operations; Transporting |
| C | Chemistry; Metallurgy |
| D | Textiles; Paper |
| E | Fixed Constructions |
| F | Mechanical Engineering; Lighting;
Heating; Weapons; Blasting |
| G | Physics |
| H | Electricity |



ECLA (EC or CEB)

IPC classification

+ extra EPO internal subdivisions

Formato: gruppo IPC seguito da lettera (e numeri)
A47B17/00B • [N: made of metal]

- **Stessa struttura dell'IPC**
Stesse sezioni, classi e gruppi principali dell'IPC
Sistema più dinamico
- **Available in esp@cenet**
<http://l2.espacenet.com/espacenet/ecla/index/index.htm>
- **Notes (N:.....) in IPC and ECLA groups**



Brevetti su Internet

- **La pagina dell'EPO**

<http://www.european-patent-office.org>
 – La CONVENZIONE SUL BREVETTO EUROPEO
 – Le tasse procedurali
 – I moduli di deposito di una domanda di brevetto
 – La lista delle biblioteche brevettuali in Italia



- **L'Ufficio Italiano Brevetti e Marchi**
- **Ordine dei consulenti in proprietà industriale**
- **CLASSIFICAZIONE INTERNAZIONALE DEI BREVETTI**
- **La mailing list "Brevetti"**
- **Sito informativo www.info-brevetti.org**



L'EPO assume:

Giovani ingegneri o laureati in discipline scientifiche con conoscenza di inglese, francese e tedesco



*Working at the forefront of technology
in an international environment !*

The EPO, a self-financing intergovernmental organization which grants patents throughout Europe and employs nearly 4000 highly qualified staff, is now looking for

ENGINEERS

in Munich and The Hague to carry out search and examination of patent applications in different technical fields including: telecommunications, electronics, chemistry and mechanical engineering



The requirements are:

- a university degree in the relevant field
- knowledge of English, French and German
- nationality of one of the contracting states



*Mandare CV
o richiedere modulo per assunzione a :*

*EPO - Recruitment off. - Postbus 5818 -
NL - 2280 HV - Rijswijk*

*fax: 0031 70 3403773
e-mail : recruitment.thehague@epo.org
www.european-patent-office.org/epo/jobs.htm*



**find out
about
tomorrow's
technology**



What is esp@cenet ?

- Internet based service
 - accessible worldwide
- Basic patent information
 - aimed at non patent professionals
- Free of charge



What are its aims ?

- Provide access to patent info.
 - additional dissemination channel
- Promote patent awareness
 - raising profile of patent offices
- Stimulate innovation in SME's



What information is available ?

- 30+ yr. "Worldwide patents applications" (the full EPO collection)
- 2+yr. of National, EP and WO publications
 - coming from EPO member states
 - available on day of publication
- 20 yr of Abstracts of Japanese patents



What can be searched ?

- Publication number and date
- Application number and date
- Priority number and date
- Applicant name
- Inventor name
- IPC Class – ECLA Class
- Text
 - Level I - National Language titles
 - Level II - English titles and abstracts



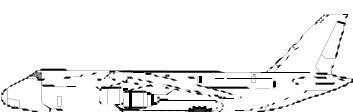
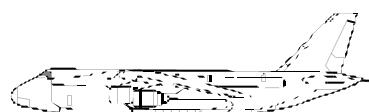
What is displayed ?

- **Result list** - Document numbers and titles
- **Bibliographic** - All searchable elements
- **Full Text**
- **Images**



Conclusions

- **Simple access**
 - to technical information in patents
- **For a large public**
 - inventors, students, researchers
- **Offering a unique collection**
 - over 300 million pages
- **Furthering innovation**
 - aiding development of European industry



S: H1 - espacenet - your gateway to patents - Netscape

The European Patent Office **espacenet**

Quick Searches

1. Simple Text

Type one or more words in English e.g. plastic bottle
Landing gear rotating

2. View a patent application

Type the number e.g. EP234057

3. Company name search

Type the name(s) e.g. geico insitut

Europe's Network of patent databases

Use the espacenet network to search:

Patent applications in their original language from

- The European Patent Office
- The World Intellectual Property Org. (PCT)

Patent applications with an English abstract and title from

- Worldwide - 30 million documents
- Japan

Deutsch Français

and view complete documents:

150 million pages

available in facsimile form

S: H1 - espacenet - your gateway to patents - Netscape

12 **espacenet**

You looked for the following: (*landing AND gear AND rotating*)<TITLE OR ABS>
35 matching documents were found.
To see further result lists select a number from the JumpBar above.

Click on any of the Patent Numbers below to see the details of the patent

Basket	Patent Number	Title
0	US5911437	Trailer apparatus and method
	US5909857	Filimonov hybrid dirigible craft
	CN1201727	Rotating operator for adjustable machine foot
	EP0882647	Extremely short takeoff and landing of aircraft using multi-axis thrust vectoring
	FR2757821	No title available.
	WO9716342	FILIMONOV HYBRID DIRIGIBLE CRAFT
	US5575438	Unmanned VTOL ground surveillance vehicle
	US5509687	Landing gear assembly
	US5333816	Aircraft landing gear swivel locking pin having automatic release and reengage
	US5213285	Rotating aircraft tire/landing gear apparatus
	US4949089	Device for steering the nose wheel train of an aircraft landing gear

(Document Done)

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US5213285 Biblio Desc Claims Page 1 Drawings

Rotating aircraft tire/landing gear apparatus

Patent Number: US5213285
Publication date: 1993-05-25
Inventor(s): STANKO JOHN J (US)
Applicant(s): STANKO JOHN J (US)
Requested Patent: □ US5213285
Application Number: US19920867154 19920410
Priority Number(s): IT19900022508 19901221
IPC Classification: B64C25/40
EC Classification: B64C25/40
Equivalents:

B64C25/40
International **P**atent **C**lassification symbol
Used worldwide
70 000 subdivisions

Abstract

An aircraft tire and an associated landing gear apparatus which rotate a wheel of a landing aircraft prior to contact between the wheel and a runway. The tire possesses an array of projections which have a forward face for catching air and which are molded into the tire in at least one channel circling the tire tread or at least one sidewall of the tire. The tire preferably possesses one or more belts underneath those projections situated in channels to protect the integrity of the tire's shape. A landing gear apparatus which may be used in conjunction with the aircraft tire comprises a duct mounted adjacent to the tire which receives air, aerates it, and releases it into at least some of the forward faces of the projections so as to effect a further forward rotational force on the tire and wheel.

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European Patent Classification

> View Section: □ > View class: eg.B60R21/12 □

Index A B C D E F G H

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Previous page: B64C23/00

B PERFORMING OPERATIONS; TRANSPORTING

B64 AIRCRAFT; AVIATION; COSMONAUTICS

B64C AEROPLANES; HELICOPTERS (air-cushion vehicles B60V)

B64C25/00 Alighting gear (air-cushion alighting gear B60V3/08)

B64C25/32 • characterised by the ground or like engaging elements (arrester hooks B64C25/68)

B64C25/40 • the elements being rotated before touch-down

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① Title eg. Hair
② Title or Abstract eg. Angstrom

③ Publication Number eg. WO9905428
④ Application Number eg. DE971031698
⑤ Priority Number eg. WO95U15925

⑥ Publication Date eg. 19970121

⑦ Applicant eg. Motorola
⑧ Inventor eg. Smith

⑨ EC Classification B64C25/40 eg. H03M1/12
Classification IPC eg. H03M1/12
Classification

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Click on any of the Patent Numbers below to see the details of the patent

Basket	Patent Number	Title
0	WO9401675	VERTICAL AXIS WIND TURBINE BRAKE ASSEMBLY
□	WO9300525	AIRCRAFT WHEEL PREROTATION APPARATUS
□	WO9215483	AIRCRAFT UNDERCARRIAGE ASSEMBLIES
□	WO8404505	AIRCRAFT LANDING WHEEL ROTATING MEANS
□	WO8301239	No title available.
LU67257	EP0492686	System to induce wheel rotation in aircraft.
EP0492686	DE29611841U	No title available.
DE29611841U	DE29611841U	No title available.

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EP0492686 Biblio Desc Claims Page 1 Drawings

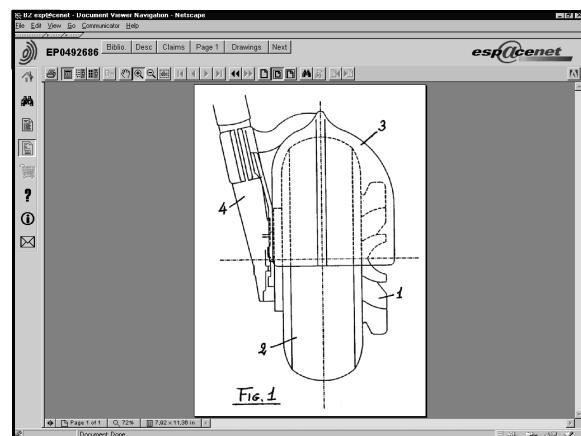
System to induce wheel rotation in aircraft.

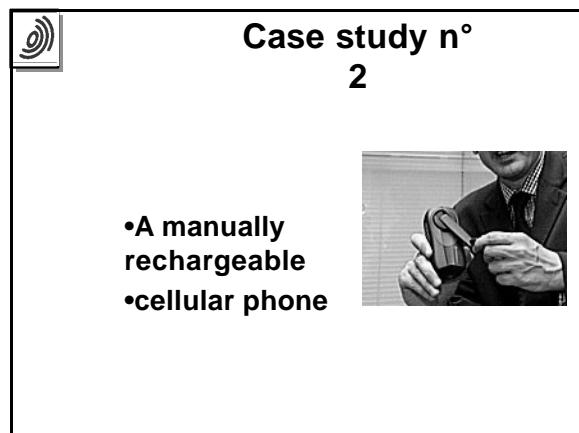
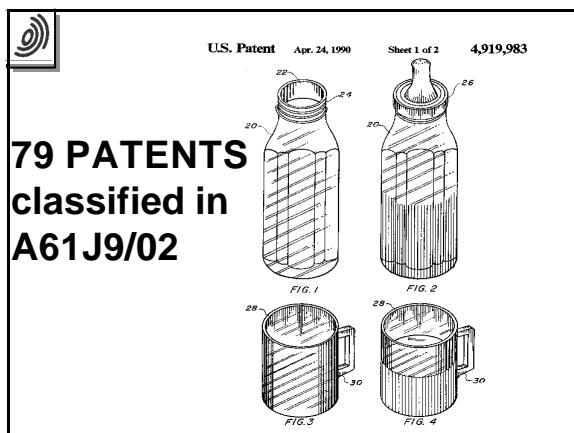
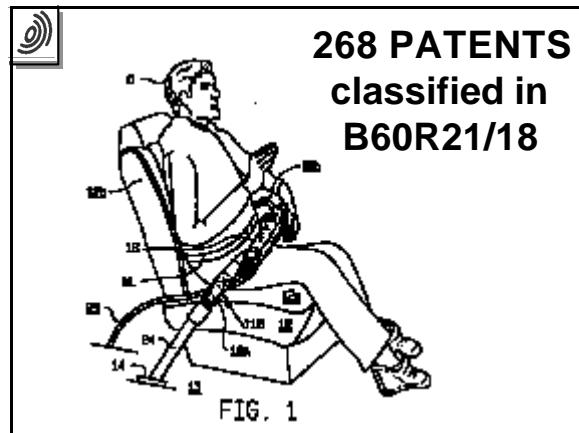
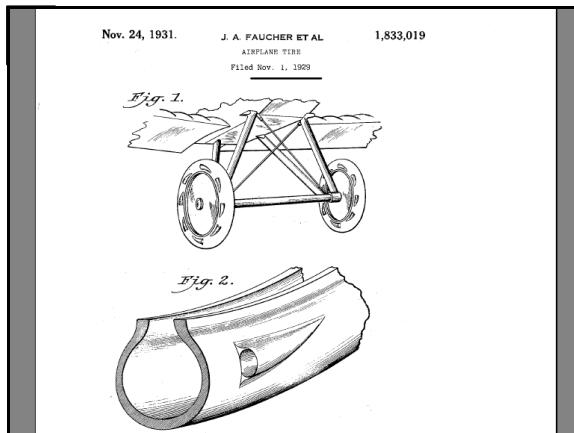
Patent Number: EP0492686
Publication date: 1992-07-01
Inventor(s): ADILETTA GIOVANNI (IT)
Applicant(s): ADILETTA GIOVANNI (IT)
Requested Patent: □ EP0492686
Application Number: EP19910203118 19911128
Priority Number(s): IT19900022508 19901221
IPC Classification: B64C25/40
EC Classification: B64C25/40
Equivalents: □ IT1246727

Abstract

Described is a device for obtaining the rotation of the wheels (2) mounted on the landing gear (4) of aircraft with the object of limiting the transient stage during the phase of first contact with the ground, constituted by a radial blading (1) applied on the external side surface of the wheel hub. □

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Mobile telecommunication terminal.

Patent Number: EP0409819
Publication date: 1991-01-23
Inventor(s): STRASSER HELMUT DIPL-ING (AT)
Applicant(s): ALCATEL AUSTRIA AG (AT)
Requested Patent: EP0409819, A3
Application Number: EP19890001752 19890720
Priority Number(s): AT19890001752 19890720
IPC Classification: H04B1/38 ; H04M1/72 ; H04Q7/04
EC Classification: H02J7/32; H04B1/39P2; H04M1/02A1
Equivalents: AT175289, EP19890001752, AU5902990, AU634559

Abstract

A mobile telecommunication terminal, for example a hand-held mobile telephone which contains a hand-operated dynamo as power supply. This makes the device independent of batteries or, after failure of the battery, an emergency operation can be maintained. The hand-operated dynamo is preferably driven by means of a toothed rod which is moved via an operating lever protruding from the side wall of the device.

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Mobile telecommunication terminal.

Patent
Publica
Invent
Applica
Reque
Appliqu
Priority
IPC Cl
EC Clas
Equival
A mobil
operates
battery
means

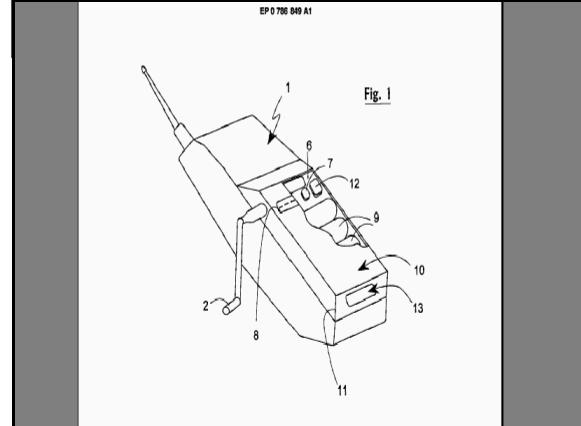
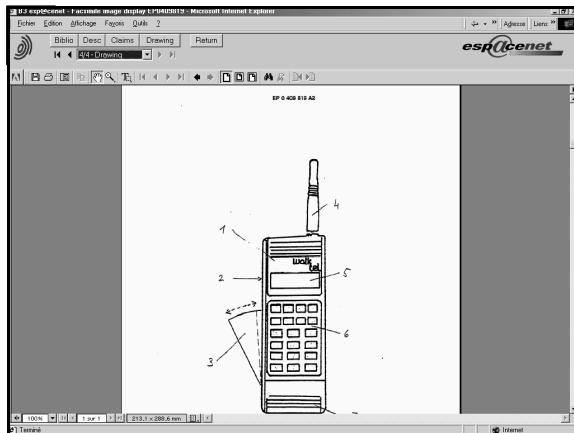
H02M: interrelated control of several motors, control of a prime-mover/generator combination H02P; control of high-frequency power H03L; additional use of power line or power network for transmission of information H04B

H02J7/00 Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries

H02J7/32 • for charging batteries from a charging set comprising a non-electric prime mover [N: rotating at constant speed]
H02J7/32B • [N: by variation of field, using discharge times]
H02J7/32D • [N: by variation of field, using semiconductor devices]
H02J7/32F • [N: by variation of field, using armature-reaction-excited machines]
H02J7/32H • [N: by variation of field, using magnetic devices having controllable degree of saturation]

Next page: H02J9/00

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- Easy searching in case of good IPC or EC:
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- Business critical decisions must be based on professional tools or services

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Talking Point
Each unit, which is simply passed out of the body as waste after it has taken the pictures, costs £30.

Programmes
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Patent m2a

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-- P05-42 NEC PlasmaSync 420042954210500W42MP1A2P0150P01/P42M1A2DA/M3A/M3P2/PD1/PD2/M5A/M1A/M2A/P2A50MSA/V1A/IMA, Runco PL-42P1-42Z ... Patent pending ...

www.google.com/patents?view=patent&id=99K... In cache - Gelezen pagina's

patentUS533_2001_06_21_06_21_06_D1_Article.doc

Document ID: 10000000000000000000000000000000

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www.uspto.gov/2001_Documents/WO_533JUN2001_533_200106_21_06_D1_Article.doc - Gelezen pagina's

Given Imaging - Expanding the scope of GI

-- Given Imaging's M2A capsule transmits 50,000 images to ... four issued patents and has submitted more than 40 patent applications worldwide ...

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GIVEN IMAGING'S BREAKTHROUGH TECHNOLOGY

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Given Imaging's Breakthrough Technology - Microsoft Internet Explorer

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ISRAEL HIGH-TECH & INVESTMENT REPORT

from the October 2000 issue

GIVEN IMAGING'S BREAKTHROUGH TECHNOLOGY

Insight into unseen recesses of the human body only previously partially accessed by endoscopic surgery or radiation has been made possible with Given Imaging's patented technology. The patented M2A imaging capsule holds great promise in the diagnosis and healing of gastro-intestinal disorders. GIVEN IMAGING (GIVEN) is an acronym for Gastrointestinal Video Endoscopy, founded in January 1998 has audaciously pursued and achieved the goal of miniaturizing a video camera and embedding it in a small capsule that transmits video images from the digestive tract and allows them to be evaluated. Currently, the standard method for gastrointestinal diagnostics is endoscopy, which uses flexible scopes inserted through the mouth or rectum. Typically the length of a gastroscope exceeds 2.5 meter. Most patients whose physicians suspect ulcerations, lesions, tumors, Crohn's disease, inflammatory bowel disease (IBD) and irritable bowel syndrome (IBD) undergo endoscopic procedures, which most individuals find stressful due to patient discomfort and the need for sedation. Dr. Paul C. Swain of the London Royal College Hospital, who participated in the development of the M2A Imaging Capsule, describes it as "the most important medical breakthrough in gastroenterology." It is non-invasive, not sedated, and allows the individual to continue a daily routine while being examined. Most other diseases affecting the small intestine relate to infarcts, hemorrhages and ulcerations in areas of the small intestine and are not observable by endoscopy or radiology. "Radiology does not pick up polyps of less than 5 millimeter in size but M2A has no difficulty delivering resolutions at 0.1 millimeters," Dr. Gavriel Meron, the company's chairman and CEO points out. The advantages of a video camera capturing pictures with small bowel disease are of invaluable assistance to the GI physician.

Insight into unseen recesses of the human body only previously partially accessed by endoscopic

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123 esp@cenet

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Click on any of the Patent Numbers below to see the details of the patent

Basic Patent Title

Number

WO03011103 APPARATUS AND METHODS FOR IN VIVO IMAGING

WO03010967 DIAGNOSTIC DEVICE USING DATA COMPRESSION

WO03009739 APPARATUS AND METHODS FOR CONTROLLING ILLUMINATION OR IMAGER GAIN

WO03005877 DEVICE AND METHOD FOR EXAMINING A BODY LUMEN

WO03003706 IN VIVO IMAGING DEVICE WITH A SMALL CROSS SECTIONAL AREA AND METHODS FOR CONSTRUCTION THEREOF

AU754898 System and method for in vivo delivery of autonomous capsule

WO02102224 IN VIVO SENSING DEVICE WITH A CIRCUIT BOARD HAVING RIGID SECTIONS AND FLEXIBLE SECTIONS

WO02102223 MOTILITY ANALYSIS WITHIN A GASTROINTESTINAL TRACT

EP1263318 A DEVICE AND SYSTEM FOR IN VIVO IMAGING

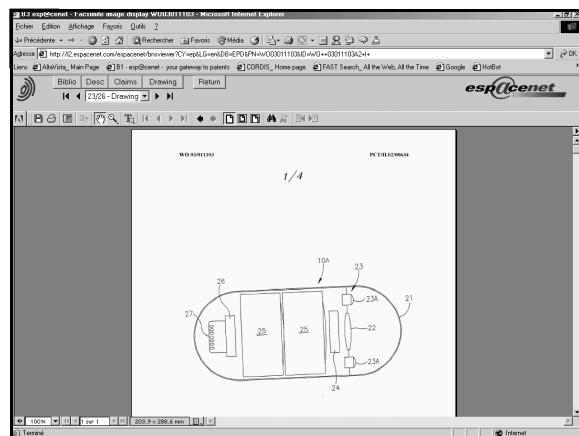
WO02095351 A FLOATABLE IN VIVO SENSING DEVICE

WO02094437 A METHOD FOR IN VIVO IMAGING OF AN UNMODIFIED GASTROINTESTINAL TRACT

EP1260176 Array system and method for locating an in vivo signal source

WO02080753 INDUCTION POWERED IN VIVO IMAGING DEVICE

WO02080376 A METHOD FOR TIMING CONTROL



 Bear in mind

- Combining WWW information with esp@cenet? yields relevant results
- esp@cenet? reduces the distance to the information



epo@line

European Patent OnLINE

Elio Lo Conte
October 2004



Overview

- History
- Current status
- Next steps



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Following on from the successful launch of epoline® at Cardiff, UK in 2001, it has been decided to hold 2 regional epoline® user days and 1 annual epoline® conference to continually update the intellectual property community on epoline® developments.

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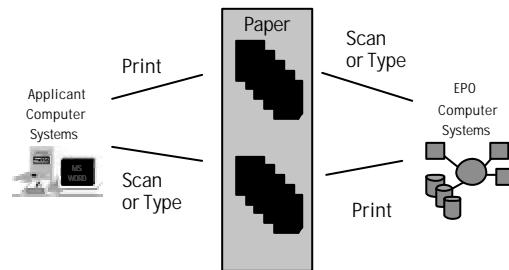


History

- Initial discussions September 1998
- Project launched January 1999
- Initial priorities
 - Online filing module for EP-EASY
 - Browser access to the X.25 Register
 - Internet access to patent files
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 - Online payment of fees



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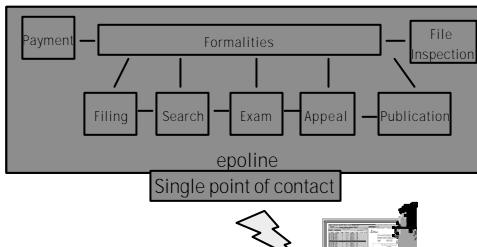


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    Filing --> Payment
    
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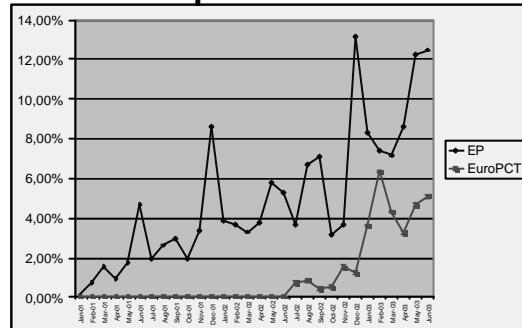
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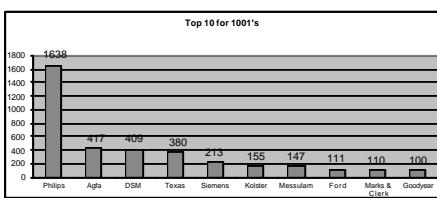
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Publication numbers, publication type and publication date
 EP19980104766P A1 10-02-2000 [2001/28]
 WO199805248 10-02-2000 [2001/28]

Application numbers and filing date
 EP19990135591 (09935591.4)
 Date of filing 23-07-1999 [2001/28]
 WO1999US16793

Date of publication of search report
 Date of international search report 10-02-2000
 International Searching Authority US

Priority number; priority date
 US19980094266P 27-07-1998
 US19980100493P 16-09-1998 [2001/28]

Classification (IPC) and bulletin number
 A61N1/08 [2001/28]

Designated states
 AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, FI, CY [2001/28]

Extension of the patent
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Designated states, applicant name, address
 FOR ALL DESIGNATED STATES
 Avon Engineering, Inc.
 15254 NEO Parkway
 Cuyahoga Falls, OH 44128 US
 FOR ALL DESIGNATED STATES
 UNIVERSITE CATHOLIQUE DE LOUVAIN
 1, Place de l'Université
 1348 Louvain la Neuve BE [2002/11]

Inventor name, address
 see applicant [2001/28]

Representative name, address
 Bird, Ariane et al
 Bird Goen & Co, Klein Dalemstraat 42A
 3020 Winkelbeke BE [2001/28]

Filing language
 EN

Procedure language
 EN

Location of file and fax number for file inspection requests
 Application is treated in (filing) THE HAGUE (+31-70) 3403166
PCT: Acts performed for entry into EPO regional phase
 Acts performed for entry into the regional phase
 - National basic fee paid 06-02-2001
 - Search fee paid 04-05-2001
 - Designation(s) paid 06-02-2001
 - Examination fee paid 06-02-2001

Examination procedure
 Date of request for preliminary examination 24-02-2000
 request for examination 07-02-2001 [2001/28]

Renewal fees
 Renewal fee A 86 (patent year /)

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2002-01-17	= Requests for assignment	2
2002-01-14	= Requests for assignment	2
2001-08-06	= Communication of transfer of rights	2
2001-08-01	= Assignment (finding: Int. instructions)	1
2001-07-19	= Requests for assignment	1
2001-07-19	= Requests for assignment	1
2001-07-17	= Requests for assignment	2
2001-05-29	= Info on forthcoming pub., bibl. data	1
2001-05-07	= Document concerning fees and payments	1
2001-05-04	= Document concerning fees and payments	1
2001-04-27	= FEE/FEE/DEST not paid	3
2001-03-26	= Communication regarding amendment/payment of CLMS (Rule 109 EPC)	2
2001-03-26	= Requests for assignment (finding: EPO)	2

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 - Bulk payments
 - Payment plan

 **Next steps**



My.epoline®

- Personalised interface providing access to epoline® services
- Online Secure File Inspection
 - Smart-card access to unpublished files
 - Only for authorised users, e.g.: attorneys and representatives,...
- WebRegMT
 - Access by username/password
 - Monitoring of EP and EURO-PCT applications and tracking of changes
 - Automatic e-mail with hyperlink to the Register whenever a change occurs
- Mailbox
 - All outgoing letters

The screenshot shows the My.epoline web interface. At the top, there's a navigation bar with links like 'File', 'Edit', 'View', 'Favorites', 'Tools', 'Help', 'Logout', 'Search', 'Helpdesk', 'Filing Number', 'File Inspection', 'Patent Register', 'Monitoring', 'File Report', 'Help', and 'Administrative'. Below the navigation is a user profile for 'John Smith'. The main area has sections for 'Homepage of John Smith', 'My.epoline released', 'Services Overview' (listing 'EASYS', 'CAESAR', 'CASEX', 'APPSYS', 'DATIMTEX'), 'News' (with links to EPO CD-ROM production tables and INFADOC FRS/ITD weekly files), 'Quick Access' (with a file number input field and a 'File Inspection' button), 'New Discussions' (listing 'Thread 1', 'Thread 2', 'Thread 3'), and a newsletter sign-up section.



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