



The EPO's Latest Tools to Access Patent Information: a Work in Progress

ICICS Nîmes 19th September 2005

Dr Nigel Clarke EPO Vienna





From single documents to complete databases, the EPO produces patent information for many different needs



The EPO services



- □esp@cenet®
- European Publication Server
- **PEPO** Website
- ■Single sales & Subscriptions
- CD-ROM /DVD products
- ■EPO Databases
- ■Japanese Patent Information
- ■Special Search Services
- epoline®





Listening to Users and Potential Users (I)



Patent Information Survey

2002-2003





60% Industry NEVER uses patent information



Patent Information Survey

Too expensive

Difficult to Access

Difficult to understand





Patent Information Survey

Internet

Internet

Internet







Too Expensive?



www.european-patent-office.org



Europäisches Patentamt European Patent Office Office européen des brevets

Home

Contact

Deutsch English Français

The direct way to protect your innovation

- General presentation
- Official communications
- Patent information centres
- Events and seminars
- Tool box for applicants
- Patent information products
- Search engines and site index
- News and updates
- Boards of Appeal

News	XML
ESPACE® production table – 20.9.2005 ESPACE® production table has been updated	• more
Official Tenders – 20.9.2005 Providing the EPO's Munich premises with electricity, including use of the mains power supply	• more
Far East meets West in Vienna 2005 – 19.9.2005 Far East meets West in Vienna 2005: abstracts of speeches and biographies of experts have been loaded	• more
INPADOC Newsflash – 16.9.2005 INF 2005/24 Russian A and U1 documents	• more
ESPACE® production table — 13.9.2005 ESPACE® production table has been updated	• more
Jobs – 13.9.2005 The EPO job section has been updated with a new vacancy in Brussels	• more
Jobs – 12.9.2005 The EPO job section has been updated with a new vacancy in The Hague	• more
ESPACE® production table – 9.9.2005 ESPACE® production table has been updated	■ more

EPO mission statement



Administrative Council

Promoted sites

European Patent Office

Computer-implemented Inventions

European Patent Office

IPC Reform

- "Tag der offenen Tür" in Munich
- EPO Information Day at the European Parliament
- EPO patent examiner posts

Patents - knowledge for everyone

Patent information website

EPO microsites

- MIMOSA
- and a second sec



http://patentinfo.european-patent-office.org/



European Patent Office

Patent information

Deutsch English Français

What is patent information?

- · Products & services
- EPO official publications
- · Prices and ordering
- Learning centre

Home

· Events calendar

Patent information -

- what is 17
- * why use \$7
- . how is it available?

... ensuring easy access to comprehensive patent information ... " Help | Stremsp

knowledge for everyone

. European Patent Office

Patent information online



. Search 50 million patent documents online

Patent information centres



PATLIB information centres

Patent databases and services Inpadoc T

* NPADOC

FAR EAST MEETS WEST IN VIENNA Vienna, 24 - 25 November 2005

Message from Curt

Vice-President

EPO Patent

Information

Conference /

Budapest, 8-10

DG 4 of the EPO

Edfiall,

Patents -

= more

· more

Register Plun



 Bectronic communication and transaction during the patent granting procedure

EPIDOS flews

B proof News



atent information from Japan

As a special service to European industry, the EPO has set up a Japanese patentico information helpdesk

Top of page Print version

Last updated: 22 July 2005 14:42:51.



Patent information intro page



European Patent Office

Patent information

Deutsch English Français

What is patent information?

- Download brochure
- Products & services
- EPO official publications
- Prices and ordering
- Learning centre
- Events calendar

Patent information

- what is it?

Patent information is vital to a broad range of professions from technical developers and researchers to legal advisers and business strategy managers.

Patent information is the name we give to the technical information. you find in patent documents, plus any legal information about them.

- why use it?

There are many good reasons for using patent information. More than anything else, it can help you make informed decisions when choosing strategies for researching or developing new products.

You can use patent information to:

Find out what already exists and build on it

If you are faced with a technical problem, there is no better way of finding out what solutions already exist than by looking at. patents.

Keep track of who's doing what

The technical details of research being carried out by your competitors may well appear first in a patent document, long before the product reaches the marketplace. By monitoring patent documents you can keep an eye on your business competitors, or even locate potential partners. You can also use patent information to identify patents that are no longer in force and can be freely used. Finally, by watching patent. publications, you can spot trends in technology or the market. at an early stage.

Avoid infringing other people's patent rights Before you put a new product on the market or offer a new service, you need to make sure that you will not be infringing. someone else's patent. Patent information will help you here

- how is it available?

We want to make it as easy as possible for you to access our patent information services.



What is a patent?

Patents -

knowledge for everyone

A patent is a legal title which protects a technical invention for a limited period. The patent enabling its owner to exclude others from exploting the invention in the territory for which it has been granted

Patents are always published, so that everyone can beneff from the information they contain.



Patent documents consist of:

- a first page contrising basic





Help Stemap

. European Patent Office

Patent information online

. PATLIS information centres





PI products & services



European Patent Office

Patent information

Home Contact Deutsch English Français

- What is patent information?
- Products & services
 - Technical information
 - Legal information
 - Patent information from Japan
 - FAQ Far East
- EPO official publications
- Prices and ordering
- Learning centre
- Events calendar

Patent information products and services

Patent information falls into two categories:

- technical information
- legal information

Almost all our internet services are free of charge. Pricing information on our other products and services is available on the Pricing and ordering page.

Technical information

The European Patent Office has been collecting patent documents from all over the world for more than 25 years. The amount of technical information contained in our patent documentation collection is phenomenal, and our databases are probably the largest single source of information on technology in the world today.

Online services







Service

Technical information page

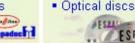
Legal information

Legal information page

In addition to being an invaluable source of technical information, patents also have an important legal dimension. While the contents of the patent document itself tell you exactly what the invention is that is being legally protected, patent information goes further than that: it can show you where in the world a patent has been applied for, if a patent was in fact granted, if there is still time to challenge it, and whether or not the patent is still in force.

Online services









Patents knowledge for everyone



Help | Sitemap



European Patent Office

Patent information online



 Search 50 million patent documents online

Patent databases and services inpadoc T

INPADOC

Register Plus



 Electronic communication and transaction during the patent granting procedure



Patent information

Patents – knowledge for everyone

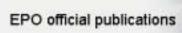
European Patent Office

Home

Contact

Deutsch English Français

- . What is patent information?
- Products & services
- * EPO official publications
- Prices and ordering
- Learning centre
- · Events calendar





Help | Sitemap



* European Patent Office

Welcome to the EPO official publications page, where you will find links to sources of information from the European Patent Office.

This page also contains a link to the European publications server, which gives you immediate access to all European patent applications and granted patents.

Access to European patents and patent applications

· European publications server

More information on European patents and patent applications

- Publication dates
- · Statistical overview
- Patent documents containing sequence listings
- Corrections to European patent documents
- Withdrawn European patent applications
- · Ordering single patent documents
- . Cross-reference index for Euro-PCT applications

The European Patent Bulletin contains announcements about patent applications currently being processed currently by the EPO

European Patent Bulletin - Buletin download

- latest edition
- · Archive
- · Bulletin online (subscribers only)

The Official Journal of the EPO, published monthly, contains notices and information issued by the EPO. The online version is fully searchable.

Official Journal

- · latest edition
- Archive on CD-ROM







Difficult to Access?



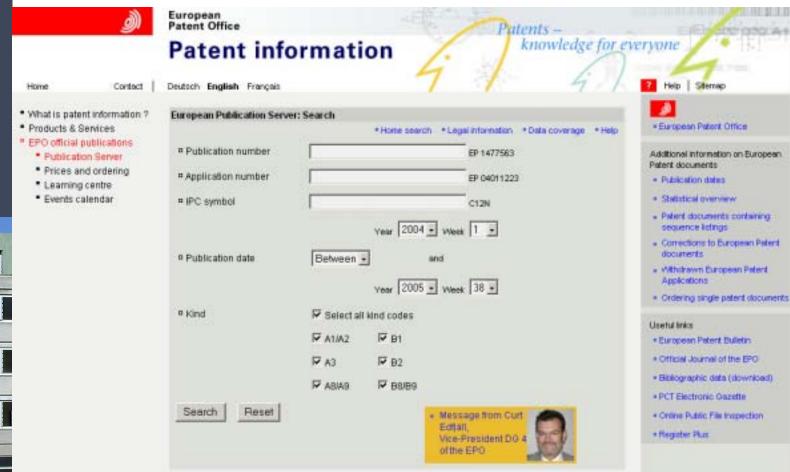
The European Publication Server



- Decision of President Pompidou dated
 22.12.2004: The publication of EP patent documents is paperless
- https://publications.european-patentoffice.org
- Free of charge
- Weekly update every Wednesday at 14:01
- 24/7 service



The query page:







The result page:



Contact

European Patent Office

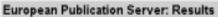
Patent information

Deutsch English Français



Home

- Products & Services
- EPO official publications
 - Publication Server
 - Prices and ordering
 - Learning centre
 - Events calendar



*Home search *Result list *Legal information *Data coverage *Help

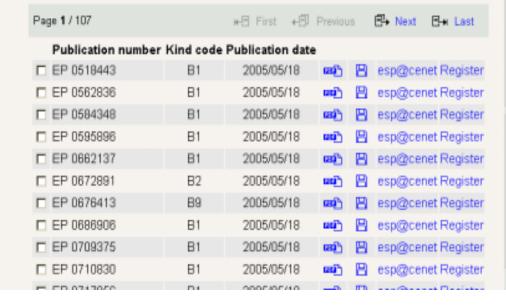
Patents -

knowledge for everyone

Search: Publication Date = 2005/05/18

Result: 2132 document(s) found

· Export the hit-list · Select all · Unselect all · Download selection





7 Help Stemap

· European Patent Office

Additional information on European Patent documents

- · Publication dates
- Statistical overview
- Patent documents containing sequence listings
- Corrections to European
 Patent documents
- Withdrawn European Patent Applications
- Ordering single patent documents

Useful links

- * European Patent Bulletin
- . Official Journal of the EPO
- Bibliographic data (download)
- PCT Electronic Gazette
- . Online Public File Inspection
- Register Plus





The European Publication Server



- Documents fully downloadable in PDF and SGML (ST 32), in the future XML
- Production fully synchronised with ESPACE production
- Coverage is currently 2004-2005. Backfile will be progressively introduced
- Well accepted and used: about 500 visits/working day
- IPC Reform Compliant



MIMOSA v. 5

XML

MIMOSA v. 5

ACCESS-EPC

PUBLICATION SERVER







Highlights

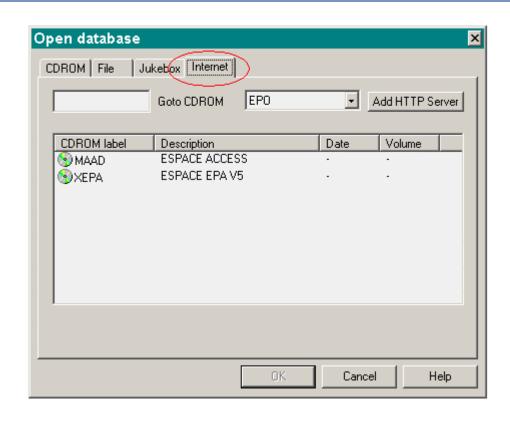
XML
MIMOSA v. 5
ACCESS-EPC
PUBLICATION
SERVER



- ➤ Internet access to GTI V5 databases
- > XML-capable
- Improved links to complementary databases



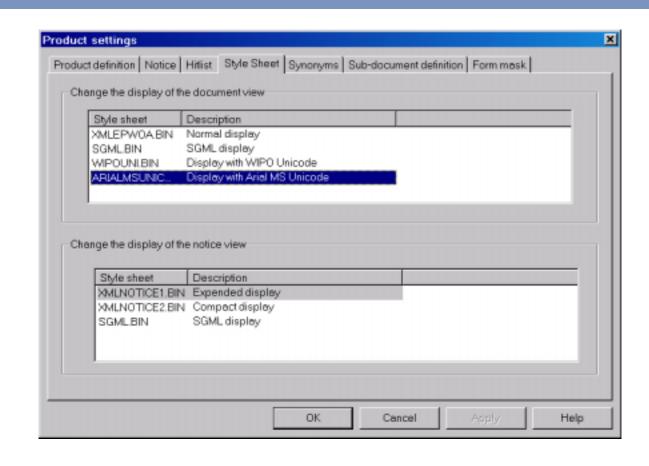
Internet Access



- New Tab for selecting data source
 - > MIMOSA access to remote database



XML Capability

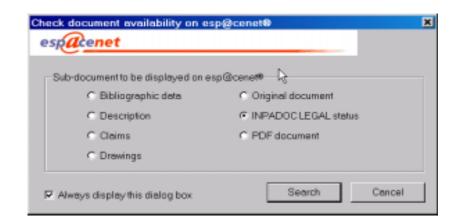


- Select "XML-aware" style-sheet
 - to format XML documents



Improved links





- Improved hyper-linking to complementary databases:
 - esp@cenet[®]
 - INPADOC



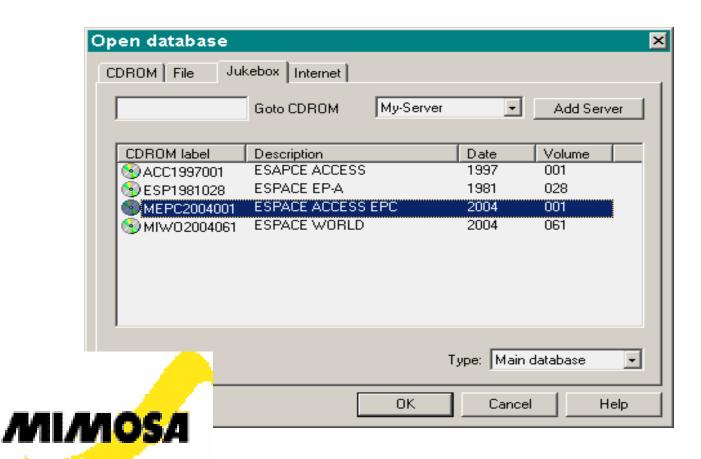
ESPACE® ACCESS - EPC

XML MIMOSA v. 5

ACCESS-EPC

PUBLICATION SERVER



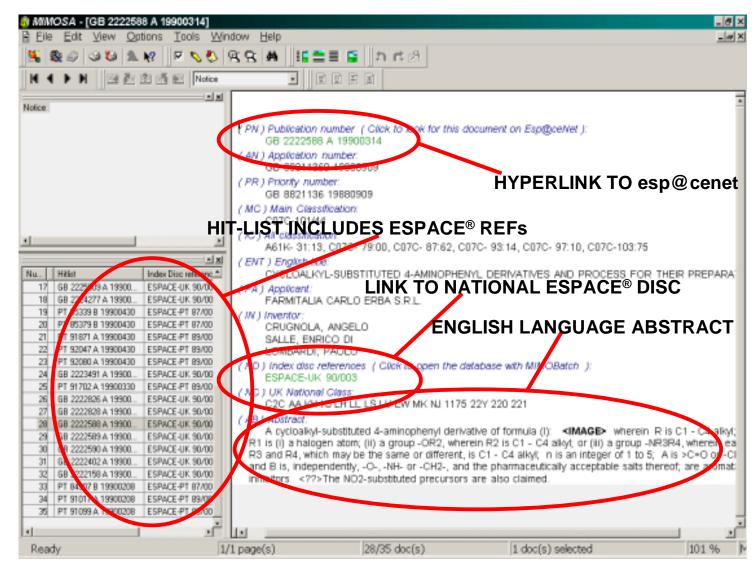




XML
MIMOSA v. 5
ACCESS-EPC
PUBLICATION
SERVER



Example Result





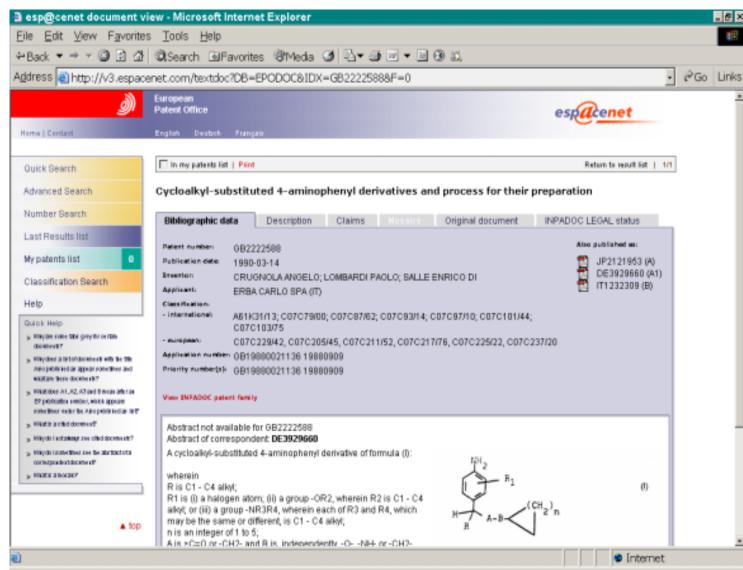
XML MIMOSA v. 5

ACCESS-EPC

PUBLICATION SERVER



esp@cenet®linking





esp@cenet - the database of ideas





www.espacenet.com



esp@cenet Portal

espacenet

Home

Contact

Deutsch English Français

Access esp@cenet

Choose your esp@cenet gateway

Getting started

An introduction to the database of ideas

Information resources

Collection of useful articles on esp@cenet

esp@cenet forum

Users help users to use esp@cenet

Welcome to esp@cenet Europe's network of patent databases

Dear esp@cenet user,

We began our programme of roadshows for 2005 with two oneday events in Ireland. The Dublin Institute of Technology was our host, and provided a well equipped computer training suite. Over two days in February, more than fifty scientists, academics, patent agents, and tech, transfer specialists participated in intense programmes using esp@cenet to search, retrieve and study patent documents. A typical roadshow familiarises the participants with the basic search functions and database coverage of esp@cenet. Then the pace quickens and advanced search functions such as ECLA search are introduced in prepared case studies. The participants are later assigned open-ended, but tough, exercises to test their newly gained knowledge, The day ends with an open Q&A session and discussion of participants' own search cases if required. Our aim is always to make the experience memorable, relevant and fun. The roadshows are complemented with comprehensive documentation about



European Patent Office



 Electronic communication and transaction during the patent granting procedure



European

esp@cenet

What?

- Worldwide collection of patent documents
- from more than 70 countries
- with access to more than 50 million data sets

Goals:

- Provide direct access to patent information
- At an entry-level
- Support innovation





esp@cenet

esp@cenet allows the user to

- Search with known document numbers
- Get an overview on the state-of-the-art on a technical field
- Find a solution for technical problems
- Observe the competitors
- Access patent applications from the date of publication from all over the world
- Search with the European Classification
- Free-of-charge
- Available via the internet





esp@cenet

But (a disclaimer):

- No value-added data
- No document delivery service
- Not intended to replace a professional search
- Critical decisions shouldn't be based on esp@cenetalone - consult a profesional





http://ep.espacenet.com



European Patent Office

English

Deutsch

Français



Help index 3

Quick Search

Home | Contact

Search with keywords, or for persons or organisations

Advanced Search

Search using any of the available fields

Number Search

Search using application, accession, publication or priority number

Classification Search

Browse or search the Classification System of the European Patent Office

Welcome to esp@cenet®

Dear esp@cenet user,

We began our programme of roadshows for 2005 with two one-day events in Ireland, The Dublin Institute of Technology was our host, and provided a well equipped computer training suite. Over two days in February, more than fifty scientists, academics, patent agents, and tech, transfer specialists participated in intense programmes using esp@cenet to search, retrieve and study patent documents. A typical roadshow familiarises the participants with the basic search functions and database coverage of esp@cenet. Then the pace quickens and advanced search functions such as ECLA search are introduced in prepared case studies. The participants are later assigned open-ended, but tough, exercises to test their newly gained knowledge, The day ends with an open Q&A session and discussion of participants' own search cases if required. Our aim is always to make the experience memorable, relevant and fun. The roadshows are complemented with comprehensive documentation about esp@cenet, patent information, the EPO and patents in general. If you think you could benefit from an esp@cenet roadshow contact Lisa McDonald-Maier or Nigel Clarke for further details.

News Flashes

Scheduled Maintenance 12.09.2005 - Please note that for routine maintenance purposes, esp@cenet Level II services will be unavailable daily Mon-Sat from 05:00 until 05:15 CET.

· read more...

Loading of JP frontfile publications resumed

We are pleased to inform you that the problem with JP frontfile images is solved, we have started Monday, 09.05.2005, to load the delayed frontfile. We expect to be totally up to date by next Monday, 16.05.2005.

read more...

Latest Updates

EP1578186 - 20050921

WO2005084097 - 20050909

US2005198714 - 20050908

US6944881 - 20050913

GB2412049 - 20050914

FR2867655 - 20050916

DE102005016200 - 20050915

JP2005218254 - 20050811

read more...

Local coverage:

■EP1578186 - 20050921



Advanced search mask

Worldwide

SEARCH

CLEAR

-

Institut Pasteur

Smith.

F03G7/10

H03M1/12

Quick Search Advanced Search Advanced Search 1. Database Number Search Select the patent database in which you wish to search: Last Results list Database: My patents list 0 2. Search terms Classification Search Enter keywords (english) Get assistance 🕥 Keyword(s) in title (in English): Quick Help » What does each database contain? Keyword(s) in title or abstract (in English): » How many terms can I enter per field? **Publication number:** % Can I search with a combination of words? **Application number:** » Can I use truncation or wildcards? Priority number: » What are publication, application and priority numbers? **Publication date:** » How do I enter publication, application and priority numbers? Applicant: » What is the difference between the IPC and the ECLA? Inventor: » Can I enter a date range? European Classification (ECLA): » How can I find out which is the most recent document available for International Patent Classification a given country?

plastic AND bicycle hair W003075629 DE19971031696 W01995US15925 yyyymmdd

Learn more about searching Get assistance 4



Classification search



0

European Patent Office

espacenet

How do I use the Classification search? Get assistance 3

Home | Contact

English Deutsch F

Quick Search

Advanced Search

Number Search

Last Results list

My patents list

Classification Search

Get assistance ©

Quick Help

- » What is the ECLA classification system?
- » How do I enter a classification number?
- Can I retrieve a classification using keywords?
- Can I start a new search using the classifications listed?
- » Is the ECLA system updated?
- What do the dots/boxes mean in front of the classifications found?

Search the european classification

View Section	Find classifications(s) for keywords	Find description for a symbol	
Index A B C D E F G H	e.g. mast sail Go	e.g. A23C Go	

		Next page. A
HUMAN NECESSITIES		ΑГ
PERFORMING OPERATIONS; TRANSPORTING		В□
CHEMISTRY; METALLURGY		сг
TEXTILES; PAPER		D 🗆
FIXED CONSTRUCTIONS		EΓ
MECHANICAL ENGINEERING; LIGHTING; HEAT PUMPS	TING; WEAPONS; BLASTING ENGINES OR	F
PHYSICS		G 🗆
ELECTRICITY		н 🗆
☐ show notes	Copy to searchform:	Copy Clear





Listening to Existing and Potential Users (II)



esp@cenetuser survey

Industry Sector

Technology

Profession

Reasons

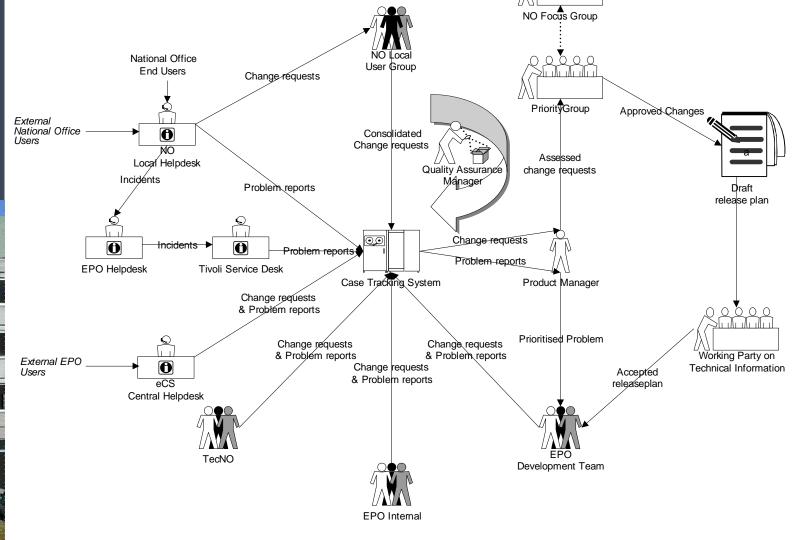
Location

Age





Overview of the CM Procedure







Coming Developments

Full document downloading and printing

Enhanced IPC and ECLA search (IPC Reform)

Improved Compact hit list







Difficult to Understand?



Training



European Patent Office

Patent information

Patents – knowledge for everyone



Help Sternap



* European Patent Office

Home

Contact

Deutsch English Français

- . What is patent information?
- · Products & services
- . EPO official publications
- · Prices and ordering
- Learning centre
- · Events calendar

Learning centre

Latest news

Training programme 2005 now available

Just started out in patents or patent information? Maybe you're already a patent professional and interested in learning more about patent information? Either way, you might like to have a look at our 2005 seminar programme, which is now available online. The comprehensive programme again includes two EPO Patent Information Beginners' Seminars (EPIBS) and a whole range of virtual classroom events.

*mon

Ask the assistant

The newly developed exp@cene® assistant is now ready and can be accessed directly or via the exp@cenet® interface. A variety of short interactive modules help the users and especially the new users of exp@cenet® to get to know and to better use the service. Have a look at it and tell us what you think.

+0000

What can we do for you?

The EPO offers different ways of learning depending on your needs. If you would like to attend a seminar on our premises in Vienna, participate in a training course at a location near you, follow a virtual classroom seminar at your own PC or simply download some reading material, simply click on the link below for more details:



Training programme and information

Distance learning

The EPO's distance-learning programme allows you to learn without leaving your desk. Our website contains details of our "virtual classroom" seminars, as well as self-paced web-based learning such as the esp@cene#8 assistant, and much more.



Web-based training





esp@cenetassistant



Europäisches Patentamt

European Patent Office

Office européen des brevets





Learn more.

Get assistance.

Welcome to the esp@cenet® assistant!





also: http://www.european-patent-office.org/wbt/espacenet/



espacenet





Glossary

My Training



Topics

T1 Getting Started

T2 The Results List

T3 Searching & Criteria

T4 Classification

T5 Search Strategies

T6 Patent Documents

T7 Tips & Tricks

Topic 1

Guided Tour (Chapter 1) 6 Crash Courses

esp@cenet® assistant

Deutsch | English | Français

Welcome

This interactive training course offers everything you need to use esp@cenet efficiently: **search strategies**, **power tips**, **background information** and more...

How to start...

A Guided Tour through esp@cenet

The Guided Tour: An initial overview in 7 short chapters (lasting a total of 15 minutes)

You don't have time?

Crash Courses: Concrete problem-solving in 1 – 3 minutes

Choose from 28 crash courses on all 7 subjects (duration: 1 – 3 minutes each)

Help index

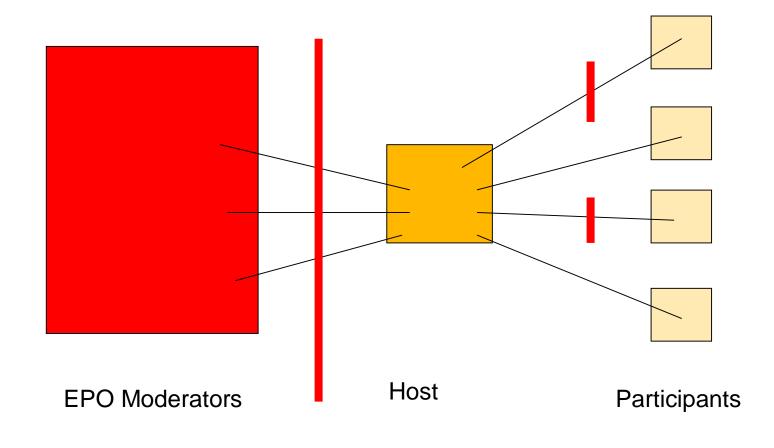
Your direct link to the esp@cenet help index.



Virtual Classroom

Virtual Classroom







Thank you for your attention www.european-patent-office.org

nclarke@epo.org; espacenetmarketing@epo.org

Dr. Nigel S: Clarke EPO Vienna, Directorate 4.5.3