

User manual - European Patent Register

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Concept Topics

A concept topic provides background information about the overall goal of the application and provides technical and legal information. Concepts cover all kinds of knowledge beyond the scope of instructions for using the application.

Concept topics are especially important for users who are new to patent research in general. The topic title should clearly reflect that this information is not necessary for experienced users, so these can skip the concepts and concentrate on tasks and references.

The European Patent Register

The European Patent Register is the place where the European Patent Office stores all the publicly accessible information about European patents, patent applications and European patents with unitary effect (Unitary Patents) in the various stages of the grant and post-grant procedure. You can access all this data in the Register on the Internet at any time.

You can view the procedural data for all European, Euro-PCT, PCT applications and European patents with unitary effect as soon as they are published. The Register allows you to find all the publicly accessible documents from the files maintained by the European Patent Office on these patent applications – including oppositions, patent attorney/EPO correspondence and more.

The Register provides for public file inspection and allows you to access the data in Espacenet. You can also follow the links to the patent registers of many of the member states of the European Patent Organisation to see the status of granted European patents after they have entered the national phase in the Federated Register service.

The European Patent Register is a publicly available service and free of charge. You can also inspect paper copies of the files upon request. However, this will take at least four weeks and you will have to pay an administrative fee.

Benefits of the European Patent Register

If you want quick and easy access to complete and comprehensive information from and about European and Unitary Patents, the European Patent Register is for you.

The information in the European Patent Register is not only relevant for patent attorneys, inventors and applicants. Business analysts, researchers and competitive analysis experts will also benefit from the wealth of information in the Register.

You can use the European Patent Register for the following purposes:

- You can find out what procedural stage a European patent application is currently in.
- You can follow the procedural progress of national patent applications (PCTs) where the EPO has been designated as receiving Office (PCTRO), International Searching Authority (PCTISA), Supplementary International Searching Authority (SISA) and International Preliminary Examining Authority (IPEA) (PCT2).
- You can find out if a European patent has been granted or if the application is still pending.
- You can check the legal status of a European patent in the validated designation states via the deep links to the corresponding national register.
- You can follow European patents in the national phase (post-grant) in the Federated Register service.
- You can see if unitary effect has been requested or registered and follow the status of a European patent with unitary effect (Unitary Patent).
- You can check whether any notices of opposition have been filed against a European patent.
- You can view the communications between the European Patent Office and the patent applicants or their representatives.
- You can download any document from the European Patent Register and save it to view later.

Patents and inventions

A patent is a legal title which protects a technical invention for a limited period. It gives the owner the right to prevent others from exploiting the invention in the countries for which it has been granted. All patents are published, so everyone can benefit from the information they contain.

Patent applicants must disclose in detail how their invention functions. There are not many types of literature that describe technologies as precisely as patent documents do.

An invention can, for example, be a product, a process or an apparatus. To be patentable, it must be new, industrially applicable and involve an inventive step.

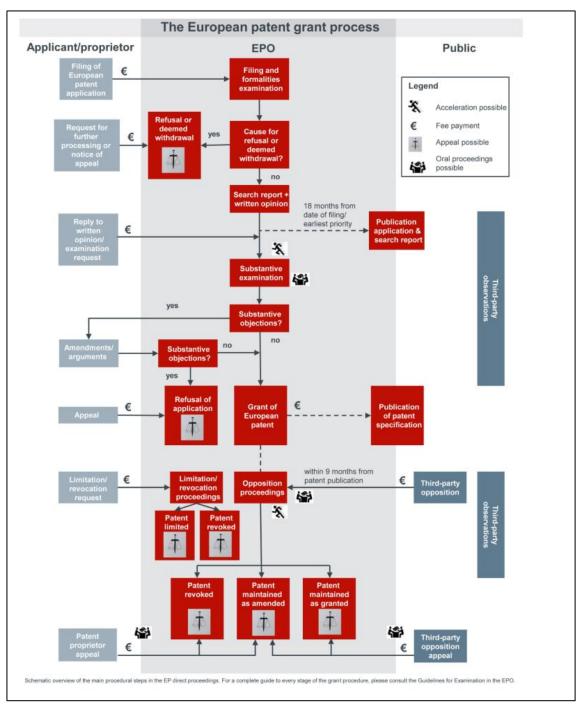
The European patent grant procedure

European patent applications can be filed with the European Patent Office in any language. The official languages of the EPO are English, French and German. If an application is submitted in another language, a translation into one of the EPO's official languages must be submitted within two months.

In the first stage of the European patent grant procedure the application is formally examined to make sure the formal and content related requirements are met, so that a filing date can be awarded.

The main stages in the life of a patent are:

- filing of the application
- formalities examination
- search
- substantive examination
- grant or refusal
- (possible) opposition by third parties, limitation or revocation
- expiry



Overview of the life of a European patent application

Filing and formalities examination

The examination on filing and as to formal requirements includes the format and content of the application, the drawings and the abstract and the inventor's name. It also includes checking that the required translations have been filed and the fees paid.

Search and search report

A patent examiner then carries out a search for similar inventions to the one claimed by the applicant. The report on this search cites all the documents available to the Office which could be important for assessing the novelty and inventive activity of the invention.

Publication of the application and the search report

The search report is published as soon as possible, but not sooner than eighteen months after the filing date. The application is published after 18 months or, if priority is claimed, after the priority date, unless of course it is withdrawn before then. Ideally the search report and the application are published at the same time.

The applicant then has six months from the publication of the search report to decide whether he wants to continue the process and file a request for substantive examination, and to pay the examination and designation fees and any possible extension fees.

From the publication date onwards, European patent applications confer provisional protection for the invention in the states designated in the application.

Substantive examination

Once a request for substantive examination is filed, the EPO checks whether the application and the invention meet the requirements of the European Patent Convention, and whether a patent can be granted.

Grant of European patent

If a patent can be granted, then a decision to this effect will be issued. The applicant is invited to submit the translation of the claims into the other two official EPO languages and to pay the grant and publication fees.

Publication of the patent specification

Once the translation of the claims has been submitted and the grant and publication fees paid, the patent specification is published (B1 publication) and notification of the grant is published in the European Patent Bulletin. The decision to grant the patent is effective as of the date indicated in the legal status in the Register.

Normally, a patent is published twice:

- 1. firstly, as an application about 18 months after the first (priority) filing
- 2. secondly as a granted patent.

Additional publications may be necessary, for example if the search report is not ready when the application is published, or if corrections or amendments to the original publications are made.

European Patent with unitary effect (Unitary Patent)

At the request of the proprietor, a granted European patent can be attributed with unitary effect within one month after the publication of the patent specification (B1) in the European Patent Bulletin. If all conditions are met a European patent with unitary effect is registered by the EPO. Unitary patent protection provides uniform protection to equal effect in all the participating Member states. Validation in designated contracting states

The granted European patent, also known as the European patent specification, divides into a "bundle" of individual national patents, each of which must be validated within a specified time frame in the designated contracting state concerned. In other words, it enters the national phase.

Typically, and depending on the language of the EPO procedure and in the respective contracting state, translations of part or the entire patent document will have to be submitted.

Opposition proceedings

Up to nine months after the patent is granted, third parties can file a notice of opposition against it. The EPO's opposition division examines the notice of opposition. There are different possible outcomes for an opposition procedure: the patent is maintained in its current form, the patent is amended leading to re-publication, the patent is revoked, or the opposition is rejected.

Limitation or revocation proceedings

At any time after the patent is granted, patent proprietors can apply for the limitation or revocation of their own patent, thereby opening limitation or revocation proceedings.

A decision regarding limitation or revocation becomes effective on the day on which it is announced in the European Patent Bulletin. This causes the patent to be limited or revoked ab initio in all the contracting states.

Renewal

For the patent to remain in force, proprietors must pay regular national renewal fees.

Expiry

The maximum duration of a patent is 20 years from the date of first filing.

Patent documents

Patent documents are documents published by patent offices that contain information about inventions for which a patent application has been filed or granted, or for which a utility model has been registered.

Each year, more than a million patent documents, based on approximately half as many inventions, are published worldwide. Only a small number of inventions are described in sources other than patent documents. This makes the information in these documents invaluable for an understanding of the status of both technology and innovation processes.

Patent documents mainly consist of patent applications and granted patents, along with the search reports, amendments to these documents, and translations. The type of publication is indicated by a code affixed to the document number.

Patent documents consist of:

- a first page comprising basic information such as the title of the invention and the name of the inventor
- a detailed description of the invention indicating how it is constructed, how it is used and what benefits it brings compared with what already exists
- claims containing a clear and concise definition of what the patent legally protects
- drawings

The application for a European patent

The European Patent Office processes applications in accordance with the European Patent Convention (EPC) and the Patent Cooperation Treaty (PCT).

European patent applications contain

- a request for grant
- a description of the invention
- one or more claims
- drawings (where necessary)
- an abstract

Although European patent applications may be filed with the EPO in any language, the official languages are English, French and German. If an application is filed in a non-official language, a translation must be submitted within two months.

The formal examination on filing of the application determines whether a filing date can be accorded. For this, the following information has to be provided:

- an indication that a European patent is sought
- information identifying the applicant or allowing the applicant to be contacted
- a description of the invention, or
- a reference to a previously filed application

A filing date can only be accorded if all these requirements are met.

The contents of a patent application file

Every time a patent application is filed with the European Patent Office, a file is created for this application. The European Patent Register provides access to all of the legal and procedural data in these files online as soon as they are published. The documents contained in the public part of a file are also referred to as the "file wrapper".

The size of a file depends on how long it has been in existence and what changes it has undergone in that time.

Patent application files in the European Patent Register contain all the information relevant to a specific patent application, in particular:

Bibliographical data

- title of the invention
- application number
- publication number
- name of the applicant, inventor and representative
- priority numbers and priority date
- legal status
- event history (list of changes and the procedural steps undergone by the application)

Public patent documents

- patent applications
- priority documents
- granted patents
- translations
- search reports
- cited literature

Communication about a patent application

- correspondence between the EPO and the applicant/proprietor/representative
- decisions to grant or revoke a patent
- decisions to opt-out from the exclusive competence of the Unified Patent Court
- appeals
- notices of opposition

Searchable data in a patent application

The following bibliographic and procedural data can be searched in the European Patent Register.

Application number

The application number is the number assigned to a patent application when it is filed. European application numbers start with the two-letter code *EP* and international (PCT) applications start with *WO*.

Publication number

The publication number is the number assigned to a patent application on publication. European publication numbers start with the two-letter code *EP* and international (PCT) publications start with *WO*.

Priority number

The priority number is the number of the application in respect of which priority is claimed, i.e. it is the same as the application number of the claimed priority document. The pattern of the priority number conforms to that of the application numbers in the country where the original application was filed, e.g. European priority numbers start with *EP*.

Filing date (date of filing)

The date of filing accorded to applications filed in person at the EPO is the date on which they are handed in or posted in one of the EPO's automated mailboxes.

The date of filing accorded to applications sent by post or to those filed electronically or by fax is the date on which the application documents are received at the EPO, provided the documents comply with the requirements of Article 80 and Rule 40 EPC.

According to the EPC, applications must include an indication that a European patent is sought, information identifying the applicant and a description or a reference to a previously filed application.

Publication date

The publication date is the date on which a patent application is first published. It is the date on which the document is made available to the public, thereby making it part of the state of the art.

European patent applications are generally published 18 months after the date of filing or earliest priority date. Prior to publication the application is kept confidential by the patent office.

New EP applications are published once a week (usually on Wednesday, at 14.00 hrs CET).

Priority date

A priority date is the date of first filing of an earlier application for which priority is claimed in accordance with Article 87 EPC.

A priority is the right to file subsequent applications for the same invention at other offices. It is valid for a period of 12 months from the date of first filing of a patent application.

Date of grant

The grant date is the date when the patent office issues a patent to the applicant. On average it takes five years for a patent to be granted at the EPO.

Date of request for unitary effect

This is the date on which the proprietor files a request to obtain a European patent with unitary effect (Unitary Patent). The request must be filed not later than one month after the date of publication of the mention of the grant in the European Patent Bulletin.

Date of registration for unitary effect

This is the date on which unitary effect is registered by the EPO in the Register for unitary patent protection. The unitary effect takes effect on the date of the publication of the grant of the European patent in the European Patent Bulletin.

Applicant(s)/Proprietor(s)

An applicant is a person or organisation (e.g. company, university) who/which has filed a patent application. A proprietor is the owner of a granted European patent or of a European patent with unitary effect. There may be more than one applicant/proprietor per application. If an applicant is a natural person, he or she may also be the inventor.

Inventor(s)

An inventor is a person designated as the inventor in the patent application. There may be more than one inventor. An inventor can also be the applicant. An inventor is always a natural person.

Representative(s)

A representative is a person or an association (i.e. an organisation) who acts on the behalf of the applicant/proprietor in proceedings before the EPO. Representation is required for applicants who do not have their residence or principal place of business in one of the EPC contracting states.

Representation before the EPO may be undertaken by professional representatives who are on the EPO's list of professional representatives, or by legal practitioners

entitled to act before the EPO. If the applicant is an organisation, the representative may also be an employee acting pursuant to Art. 133(3) EPC.

You can search the database of professional representatives online via the EPO website.

http://www.epo.org/applying/online-services/representatives.html

Opponent(s)

An opponent is a person or an organisation who/which files a notice of opposition to a patent with the EPO. The time limit for filing an opposition is nine months after publication of the mention of grant of a European patent. Anyone can file a notice of opposition, except the patent proprietor, who is not allowed to oppose his own patent.

International Patent Classification (IPC)

Every patent document is given one or more classification symbols by the examiner indicating its allocation to a specific area of technology. The European Patent Office has adopted the International Patent Classification (IPC) system which is used by all patent offices worldwide. An IPC symbol is made up of a specific pattern of letters and digits standing for the sections, classes, subclasses, groups and subgroups.

Title (keywords)

The title of the invention is a short text describing the contents of the patent application. The applicant provides the title in the official EPO languages English, French and German or at least in one of these languages.

Appeal case number

The appeal case number is the number assigned to a patent application when it enters the appeal procedure. An appeal case number is made up of a capital letter for the type of decision, then a four-digit sequential number, followed by another two digits representing the year.

The International Patent Classification (IPC) system

Patent classification is a system of sorting inventions and their documents into technical fields covering all areas of technology.

Every patent document, regardless of whether it is an application or a granted patent, is given a classification symbol by the examiner indicating its allocation to a specific area of technology.

Benefits of patent classification

Patent classification systems make it easier to file and retrieve patent documents.

When performing searches, patent examiners, inventors and companies need to obtain results that are as accurate as possible. State-of-the-art searches would be virtually impossible without classification, because searching with keywords can often produce inaccurate and incomplete results due to the language in which patent documents are written and the terms used.

The IPC system

Patent documents are classified according to different classification systems depending on the patent granting authority concerned. The most important classification system is the *International Patent Classification (IPC)*.

Introduced in 1968, the IPC is used by all patent offices worldwide, some of which also use a national classification system. The IPC has a hierarchical structure and is subdivided into sections, classes, subclasses, groups and subgroups. One of the most precise classification systems available, the IPC currently divides technology into around 70,000 sub-areas.

Areas of technology

In the IPC, the technology is divided into eight main sections:

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

IPC divisions

The IPC has a systematic and hierarchical structure. Classification becomes more detailed with every further (sub)division, as you can see in this example:

Level	Symbol	Description	
Section	A	Human necessities	
Class	A21	Baking; edible doughs	
Subclass	A21C	Machines or equipment for processing doughs	
Group	A21C1	Mixing or kneading machine for the preparation of dough	
Subgroup	A21C1/06	With horizontally-mounted mixing or kneading tools	

Visit the WIPO website to find more information about the IPC:

International Patent Classification (IPC)

Browse and search the IPC online:

IPC Publication

Non-patent literature

In addition to patent literature, the EPO's search documentation includes any other printed or non-printed material that may be technically relevant for the patent grant procedure. This documentation is called non-patent literature.

Non-patent literature can be an important source of information on the state of the art. It primarily consists of articles from scientific magazines, conference reports, books, internet pages, etc. The latest developments emerging from scientific publications and conferences are usually found in these sources first. This is especially true for research results from universities or scientists, who often tend to publish their results in scientific publications or within the context of conferences and do not necessarily protect their inventions with patents.

Patent families

Patents are industrial property rights that provide protection in a certain country or countries. Inventions are frequently the subject of patent applications in several different national or regional patent offices or with the World Intellectual Property Organization (WIPO).

Family members and priorities

Where there are several applications or publications for an individual invention (in other countries) claiming the same priority or priorities, we talk about a "patent family". All of these "family members" have priority numbers with associated priority dates in common, in other words, they are related to one another by one or more priority applications.

Applications filed in other countries or languages

Patent applications are often filed in more than one country. You can find out if further applications have been filed in other countries by viewing the patent family of the relevant patent application.

This will tell you the countries in which patent applications were filed and published, which in turn will enable you to monitor the international market in your line of business, keep an eye on the worldwide situation and be aware of innovations and changes.

Patent families can also help to find another language version of a patent document.

Patent families in the European Patent Register

There are various definitions of what constitutes a patent family. However, the differences only become obvious when the structure of a patent application is complex.

Complex structures occur when patent applications are filed in several different countries. In applications of this kind, various earlier applications are often cited as priorities. Moreover, different claims may be accepted or rejected by the various patent offices during the granting process. This then results in patents with different scopes of protection.

In the European Patent Register a patent family is defined as comprising all the documents sharing – directly or indirectly (e.g. via a third document) – at least one priority. This includes all the patent documents resulting from a patent application submitted to a patent office as a first filing and from the same patent application filed within the priority year with a patent office in any other country.

Patent families in Espacenet

In Espacenet, this broad definition of a patent family would be called an INPADOC family. At the same time, a patent family defined as comprising all documents having exactly the same priority or combination of priorities is called a "simple family".

Equivalents are members of a (simple) patent family, which means that they have the same priorities.

In Espacenet, on the other hand, a patent family is defined as comprising all the documents having the same priority or combination of priorities (simple family). However, deeper analysis of certain patent documents might lead to specific priorities being declared "non-active". In other words, these specific priorities are ignored in the building of simple families.

The appeal procedure

An appeal is a process by which a party challenges a decision taken by the European Patent Office, such as a decision to refuse a patent application. Decisions on appeals are taken by the EPO's independent boards of appeal. Parties may also challenge a decision to grant a patent by filing an opposition.

The boards of appeal are responsible for examining appeals against decisions taken by the Office. Integrated into the organisational structure of the Office yet independent from it in their decisions, they are bound only by the European Patent Convention. There are currently 27 technical boards of appeal, plus the Legal Board of Appeal, the Enlarged Board of Appeal and the Disciplinary Board of Appeal.

Read more about the work of the Boards of Appeal.

Appeal cases in the European Patent Register

An appeal can be lodged against any decision taken by the EPO, during any phase of the procedure. Most of the appeal cases to be found in the European Patent Register are appeals following opposition or appeals following examination.

All board of appeal decisions released for publication can be in the <u>Recently published</u> <u>decisions</u>.

The decision database of the EPO boards of appeals is accessible at http://www.epo.org/law-practice/case-law-appeals/advanced-search.html.

Decision types

- G Enlarged Board of Appeal
- T Technical board of appeal
- J Legal Board of Appeal
- W PCT protest cases
- R Petitions for review under Art. 112a
- D Disciplinary Board of Appeal

The Unitary Patent Register

The Unitary Patent Register stores all publicly accessible and legal status information of European patents with unitary effect. It is an integral, and special part of the Register containing entries according to <u>Rule 16(1) fo the Rules relating to Unitary Patent</u>. <u>Protection</u>.

The Unitary Patent (UP) section is displayed in the Register at the time of mention of grant, but greyed out until there is a date of request for unitary effect. The Unitary Patent panel views, **UP About this file**, **UP Event history**, and **UP All documents** are displayed when unitary effect is requested and recorded by the EPO. The Unitary Patent marker "C0" is displayed next to the publication number when unitary effect is registered.

The Federated Register

The Federated Register provides the latest data on the legal status of European patents with unitary effect and granted European patents in the national phase. This is especially interesting for professionals, such as patent attorneys, IP consultants or industry representatives.

National patent offices of the EPC member states must have a web service set up to send data to the Federated Register section of the European Patent Register. Note that a national office may have an online patent register, but this does not necessarily mean that it can respond to European Patent Register search queries.

Once the Federated Register is enabled for a granted patent or unitary effect has been registered, you can get a clear overview of the national registers of all the designated contracting states, and, where applicable, extension and validation states. For each state offering the Federated Register service you can view:

- country code deep links to the corresponding national office register
- the status of the patent document
- the number under which it is published
- the proprietor
- whether or not a patent is currently in force
- when renewal fees were last paid
- when the national register was last updated

Where there is unitary patent protection, the upper section of this view will provide data on European patents with unitary effect (EP C0).

Espacenet: access to patent documents worldwide

The European Patent Register service provides direct links to Espacenet to view the original documents of a patent application. In Espacenet you can access and download PDF versions of original documents which are not available in the Register.

Espacenet contains over 100 million patent documents from all over the world. The overwhelming majority of these documents deal with patent applications rather than granted patents. Available in most European languages, Espacenet makes it easy for users with little or no experience in patent searching to get an overview of the state of the art, to follow new developments or to find out who invented what.

The Register Alert service

The Register Alert service (formerly known as WebRegMT) allows you to monitor changes to selected patent applications in the European Patent Register. Signing up for the service is free of charge and only requires a valid email address.

With Register Alert you can keep an eye on patent applications that may be of interest to you. You can save up to 1,000 files to your list of monitored applications – your own files as well as other people's patent applications.

You can also configure Register Alert to send email notifications to the email address that you used for enrolment plus up to four other email addresses. Notifications are automatically sent every time one of your monitored applications and corresponding selected criteria in **Monitoring profile** undergoes a change during the grant procedure, provided that this change triggers a Register event.

Go to the <u>Register Events</u> page to see a list of all events generating an email notification.

The INPADOC database

The EPO's INPADOC database is a collection of bibliographical data from patent documents, i.e. patent applications and granted patents, and the legal status of these documents. The INPADOC database may also include some procedural information and statements of payments of renewal fees.

Like many other databases, the European Patent Register has to rely on the correctness of the data supplied by third parties – in this case the co-operating patent offices – and on the extent to which that data is up to date. In particular, delays in the delivery of bibliographic or legal status data can vary significantly depending on the country concerned and the time period covered.

To be absolutely sure about the actual status of a patent, we recommend that you contact the relevant patent office or authority direct.

Events in the European Patent Register

An event is a procedural action taken by any party to the proceedings and making changes to a patent application.

Register events

A Register event is a procedural action taken by a party to the proceedings and involving a coding (addition, deletion, change of data) that triggers an entry in the European Patent Register. This entry adds a **Most recent event** in the respective **EP** or **UP About this file** view and also in the **EP** or **UP Event history**. For the purposes of monitoring procedural actions to applications, such events generate an e-mail notification to Register Alert users.

It is important to note that the date shown for an event in **Most recent event** and **Event history** is merely the date on which it was entered in the Register or respectively, the Unitary Patent Register and therefore cannot be taken as the date of legal effect or, for communications, the date of despatch. For the latter date, we recommend that you instead refer to the related document available in the **EP** and **UP All documents** panel views and to the information in the **EP** and **UP About this file** panel views. However, a document may not be made available in either of the **All documents** views until a few days after the event is entered in the Register.

For the above reason, the Register implemented a "**waiting pot**" to put specific events on hold until they are published with legal effect in the **European Patent Bulletin** or the related document is made available via the Register. You can identify these events by their waiting pot attribute in the XML files **Main events (XML)** and **All events** (**XML**): if *waiting-pot* = "*true*", this means that the event will only appear in the Register once it has taken legal effect or the document has also been made available there.

Go to the <u>Register Events</u> page to see a list of all events generating an email notification.

Visibility of events in the European Patent Register

The Register gives information about PCT applications approximately four to five weeks after their publication by the World Intellectual Property Organization (WIPO).

Until PCT files enter the regional phase in the European Patent Office, 31 months after the priority date, the Register displays their bibliographic data as *published by WIPO*.

The Register provides up-to-date information about the file's entry into the regional phase before the EPO. When the 31-month deadline is reached, the Register indicates whether the applicant has performed any of the steps necessary for entering the regional phase, such as paying the fees or filing the translation.

If the file does not enter the regional phase (because the applicant does not pay the fees in time or file the translation), the PCT application is deemed to be withdrawn, and some administrative work has to be done (approximately 33 months after the priority date).

Outgoing communications

Register Alert notifications are triggered once the events are coded by the EPO, and the documents the communications refer to are visible

- on the same day, e.g. ADWI letters (application deemed withdrawn)
- on the day of despatch
- for F2006A (decision to grant a European patent pursuant to Article 97(2) EPC): on the day it is transmitted to the EPO post room

Incoming communications

Register Alert notifications are triggered once the procedural actions having origin in the incoming communications are coded by the EPO and processed by the EPO systems. This explains why a document in *All documents* might have a date that precedes the date of the Register Alert notification.

Task Topics

Accessing the European Patent Register

The European Patent Register home page is at <u>https://register.epo.org</u>. Using the Register is free of charge. Logging in with username and password or by connecting with a smart card is not required.

- → Go to <u>https://register.epo.org</u>
 - ✓ Smart search view opens on the secure Register server.

The European Patent Register homepage is divided into four areas:

- [1] Main navigation
- [2] Quick help
- [3] Search area
- [4] General information and Register news

O)	uropäisches latentamt uropean latent Office Office européen les brevets	European Patent Register	Deutsch English Français Contact
4 About Europe	ean Patent Reg	ister Other EPO online services ▼	Register Alert (email alerts)
Smart search	Advanced se		
Quick help	2	Smart search	
→ What can I enter search field?		Search term(s)	e.g. hair
→ How do I use fiel Smart search?			
→ Can I search for in Smart search?		5	
→ Can I use operation search?	tors in Smart		<u>Clear</u> Search
→ Can I use wildca symbols) to sear		4	
search? → How do I create		WELCOME	
account?	-	Welcome to the European Patent Register, the place to find procedural and legal status da	
 What should I do password or use 		European Patent Office and on Unitary Patents from the moment that unitary effect has been	i requested.
Do I have to acc and conditions?		If this is the first time you are consulting the EP Register, please have a look at the introductor	y <u>video</u> below.

The home page of the European Patent Register displays the Smart search view.

The **https** in the Internet address and the padlock icon in your browser's address bar both indicate that you are surfing in a secure environment.

Setting the language for the European Patent Register

The user interface of the European Patent Register is available in three languages: English, French and German. → To change the user interface language, click your preferred language in the top right corner of the Register screen.

Europäisches Patentamt European Patent Office Office europé des brevets	European Patent Register	Deutsch English Français Contact
	t <u>Register</u> Other EPO online services 👻 ed search Help	Register Alert (email alerts)
Quick help → What can I enter in the Sma	Smart search	
 → How do I use field identifier Smart search? 	Search term(s)	e.g. hair

Changing the language for the European Patent Register user interface

Browser options and language

By default, most browsers are configured to select the language of a website automatically if the website provides multiple language versions. For example, if your browser software is in German, then the Register website will be displayed in German.

If you change the language of the Register user interface, your selection is stored in a browser cookie. Next time you open your browser and go to the Register, the website will open in the same language that you used in your previous session.

- ➔ If your language setting is not maintained, check the privacy settings in your browser: your browser most probably does not accept cookies.
- → Set you browser's cookie options to accept cookies from the website register.epo.org.

Recommended browsers and software

We recommend that you use the following browsers and operating systems in the Register and its services. You may still be able to use the European Patent Register in older or alternative browsers, but we advise you to upgrade your browser regularly to ensure that the Register continues to function properly

Browser	Version number
Edge	100+
Firefox	78+
Chrome	100+

We also recommend that you use Adobe Acrobat Reader Version 9 or newer versions, as well as the operating system Windows 10.

Getting Help

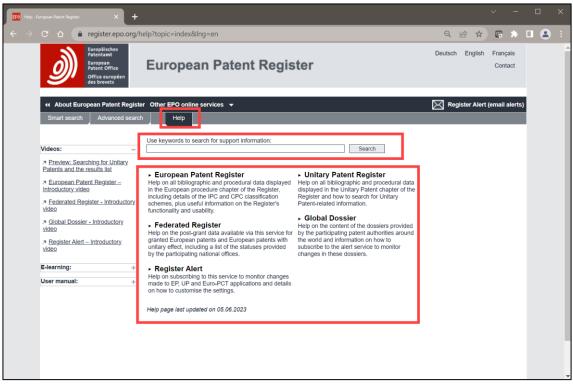
Online assistance is available right in the European Patent Register user interface at any time.

You may also download the complete user guide from the EPO website at www.epo.org/searching/free/register.html

Online help

The online help provides an overview of all help topics, a search function and offers independent learning from video tutorials to learning assistants and comprehensive documentation.

- → Click *Help* in the main navigation.
 - ✓ The Help view is displayed.
- → Select one of the five help glossaries European Patent Register, Register Alert, Federated Register, Global Dossier or Unitary Patent Register – to reveal the list of help items.
- → Select a help item from the list.



The Help panel view in the European Patent Register showing the five glossaries and further support material.

Search field information icons

All search fields and some bibliographic fields provide extra information about what to enter or how to read this data.

➔ To see the field information, hover your mouse cursor over the i-symbol next to the field name.

Smart search										
Search term(s)										
u	Enter your search terms	///								
	You can enter up to 20 search terms (a maximum of ten terms per searchable	<u>Clear</u> Search								
WELCOME	bibliographic data), with or without field identifiers. They should be separated by a space or operator. For more information see our help files.									

Search field information icon for the Smart search field.

Tooltips

Tooltips are displayed when you hover over the toolbar buttons with your mouse. They provide a short explanation of their function.

 \rightarrow To see the tooltip, hover your mouse cursor over the button.

EP All documents: EP4286919	Dossier alert:	त्रे RSS	🔀 Email			
☑ Refine search ↓ Selected documents	↓ Zip Archive	Previous	5 1 / 10000 ▶	Next	2 Submit observations	I Report error
All documents(40) Search	Download selecte a zipped archive	d document	ts separately	in		

Tooltips for toolbar buttons.

Online tutorial

With the European Patent Register Assistant e-learning tool, you can learn how to use the Register and Register Alert. A collection of interactive learning modules allows you to select the topics you are interested in and to test your knowledge.

https://e-courses.epo.org/wbts/europeanpatentregisterassistant/index.html

The Adobe Flash browser add-on is required to access the e-learning tool.

Introductory videos

The introductory videos provide a brief overview of the Register and its incorporated features. They are available on the <u>Help</u> page of the Register

Choosing the appropriate search function

The European Patent Register offers two different search functions: **Smart search** and **Advanced search**. **Smart search** is the default option when you go to the Register home page.

[1] *Smart search* allows you to enter a single search term or a combination of search terms, including names, dates and classification symbols. You can also search patent documents by application number, publication number or priority number.

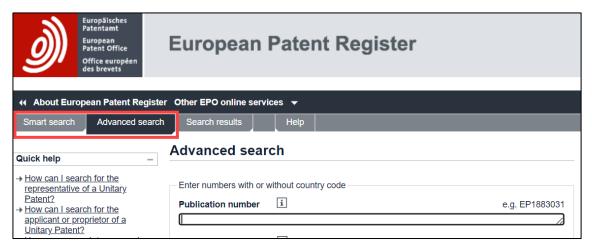
Example: You want to find patent applications for coffee machines filed by Jura.

[2] With *Advanced search*, you can quickly access an individual file by entering a specific publication or application number or you can assemble a complex search query by combining the different search criteria. For each search criterion you can enter multiple search terms.

Example A: You want to view the file with the publication number EP1833031.

Example B: You want to find patent applications filed in the year of 2011 where the applicant is Siemens and an opposition was filed by General Electric.

→ Select your preferred search function by clicking the relevant tab in the main navigation.



Switching from Advanced search to Smart search

The following table compares the two search functions. Note that the total maximum number of search terms is identical, but the default operators which are used by the different search functions apply a different logical structure to the query.

Query rules	Smart search	Advanced search
Search term entry	Total maximum: 20 search terms Maximum per search criterion (e.g. applicant):	Total maximum: 20 search terms Maximum per field (e.g. application number):
	10 search terms	10 search terms
Default operator	AND for all search terms in the field	 OR within: application number publication number date of filing date of publication priority number priority number priority date grant date AND within: title applicant inventor representative opponent IPC appeal case number AND for combining the fields

Searching with Smart search

Smart search is the default setting when you go to the European Patent Register home page. The *Smart search* view provides one large field for your query. You can enter your query with or without field identifiers. For practical use of the field identifiers and other search commands, there is also a handy Register <u>pocket guide</u> for you to download.

A *field identifier* is an abbreviation for the bibliographic field to which the search for a specific term will be limited.

If you do not enter field identifiers, the search engine analyses the terms in your entry, applies the default field identifier and searches in the matching bibliographical fields of the European Patent Register.

Input example	Search term type	Default field identifier	Bibliographical field(s) searched
engine	Text	txt	Title
diesel	(word starting with a		Applicant
display	lowercase letter)		Inventor
Siemens	Name	nm	Applicant
Jura	(word starting with a capital		Inventor
Miller	letter followed by only		Representative
Catherine	lowercase letters)		Opponent
ep ep1000000 1000000 nl19981010536 WO2014NL50211	Number (letters + digits)	num	Publication number Application number Priority number
A63B49/02	IPC symbol	ic	International
b03	(letters + digits + slash)		classification (IPC)
2005 2005-05 25.05.2005	Date (digits + separator characters)	pd	Publication date

Application numbers entered in Smart search <u>without</u> a field identifier (ap=) or the country code **EP** may be interpreted by the search engine as a date, e.g. 18750305 = 1875-03-05.

Starting a search with keywords

→ Enter your query into the **Search term(s)** field.

You can enter one or more search terms. The search terms are not casesensitive with one exception: if you want to search for a name, then enter the name with an initial capital, e.g. *Jura coffee machine*.

- → To delete the search terms from the field, click *Clear*.
- → To run the query, click **Search** or hit the **Enter (Return)** key.

Smart search	
Search term(s)	e.g. hair
SmartSearch: urd = yes	
	<u>Clear</u> Search

Search term with multiple keywords entered.

Understanding default field identifiers in Smart search

If you do not enter operators or field identifiers into the smart search field, the search engine analyses the search terms and interprets which search criteria each word is.

→ To see the search query used by the search engine, check the Search term(s): above the search results list.

Sea	rch result	s 🔊								
Q	☐ Refine search									
Sort by Application No. Sort order ascending Sort										
_	127 items found, displaying 1 to 20. Search term(s): txt = coffee and txt = grinder									
	FFEE GRINDER		C DOSE CONTROL SYSTEM							
0	Application No. EP23183536	Publication No. EP4331450	Applicant Conti Valerio - S.r.I.	Unitary Patent	Representative Baldi, Claudio	IPC A47J42/44				
GRI	NDER FOR GRI		T IN BEANS, PARTICULARLY FOR	A BEVERAGE VENDI						
0	Application No. EP23758381	Publication No. WO2024023755	Applicant SAGA COFFEE S.P.A.	Unitary Patent	Representative 	IPC A47J42/40				
CO	COFFEE GRINDER									
0	Application No. EP23184914	Publication No. EP4306016	Applicant Cimbali Group S.p.A.	Unitary Patent	Representative Perani & Partners S.p.A.	IPC A47J42/40				

Search query interpretation with field identifiers and default operator

Rules for default field identifiers

- 1. If no search operator is entered, search terms are connected by the *AND* operator.
 - \rightarrow Enter coffee grinder.
 - \rightarrow Enter coffee AND grinder.
 - ✓ Resulting search term(s) in both cases: *txt* = *coffee and txt* = *grinder*

- 2. Words starting with a capital letter followed by lowercase letters are interpreted as names or part of an address.
 - \rightarrow Enter *Reader*.
 - ✓ Resulting search term(s): nm = Reader
- 3. Words starting with lowercase letters are interpreted as keywords in the title or as part of a name or address.
 - \rightarrow Enter *reader*.
 - ✓ Resulting search term(s): *txt* = *reader*
- 4. Numbers in a date format are interpreted as publication date.
 - \rightarrow Enter **03/2014**.
 - ✓ Resulting search term(s): $pd = o_3/2014$
 - → Enter 05.03.2014.
 - ✓ Resulting search term(s): pd = 05.03.2014
- 5. 7-digit numbers preceded by the two letters *ep* are interpreted as European publication numbers.

\rightarrow Enter *ep1000000*.

- ✓ Resulting search term(s): *num* = *ep1000000*
- 6. Two letters followed by a specific number of digits are interpreted as publication number, application number or priority number.

→ Enter *WO2011156929*.

- ✓ Resulting search term(s): *num* = *WO*2011156929
- → Enter *CH20130035313*.
 - ✓ Resulting search term(s): *num* = *CH20130035313*
- 7. Terms starting with a character followed by digits and characters conforming to the IPC symbol pattern are interpreted as IPC classification symbols.
 - \rightarrow Enter **bo2 bo3**.
 - ✓ Resulting search term(s): ic = bo2 and ic = bo3
 - \rightarrow Enter **ho5g1**.
 - ✓ Resulting search term(s): ic = ho5g1

Combining multiple search criteria

You can search more effectively with smart search if you enter several search terms at once. The search terms will be connected by the default operator *AND*.

Moreover, if you limit yourself to the default field identifiers, your query string can be both short and effective:

- → Enter air conditioner LG Electronics 2010 F24F1.
 - ✓ The search returns applications from *LG Electronics* with the words *air conditioner* in the title, which were published in 2010 and to which the IPC symbol *F24F1* has been assigned.

If you do not want to have your search terms connected with *AND*, you must enter *OR* and use appropriate parentheses:

- → Enter air conditioner LG Electronics 2010 (F24F11 OR F25B13).
 - ✓ The search returns applications from *LG Electronics* with the words *air conditioner* in the title, which were published in 2010 and to which the IPC symbol *F24F11* and/or *F25B13* has been assigned.

Using field identifiers in Smart search

Smart search reveals its full power when you combine search terms with field identifiers. Field identifiers enable you to phrase your query more precisely by assigning the search terms to specific bibliographic fields.

A field identifier is an abbreviation for the bibliographic field to which the search for a specific term will be limited.

For a list of all field identifiers with examples, see Field identifiers in Smart search in the Reference Topics.

Single field identifier

 \rightarrow Connect the field identifier to the search term by an equal sign (=).

You can enter the = with or without additional blanks, e.g. pa=Samsung is equivalent to pa = Samsung. You may find, however, that the structure of your query is clearer if the field identifiers are directly connected to the relevant search terms without any blanks.

Search results										
Ø	☑ Refine search → Export (CSV XLS)									
So	rt by Application N	No. 🔽	Sort order ascending	~	Sort					
	10 000 items found, displaying 1 to 20. Search term(s): pa = samsung									
MET	HOD AND DEVICE	E FOR COMMUNI	CATION BETWEEN NE	TWORK ENTITIES						
0	Application No. EP24157174	Publication No. EP4344172	Applicant Samsung Electronics Co., Ltd.	Unitary Patent	Representative Gulde & Partner		IPC H04L69/321			
MET	HOD AND DEVICE	E FOR COMMUNI	CATING SYNCHRONIZ	ATION SIGNAL						
0	Application No. EP24157016	Publication No. EP4344334	Applicant Samsung Electronics Co., Ltd.	Unitary Patent	Representative Gulde & Partner		IPC H04W74/08			
MET	HOD AND APPAR	ATUS FOR DATA	PROCESSING IN WIR	ELESS COMMUNI	CATION SYSTEM					
0	Application No. EP24156055	Publication No. EP4344156	Applicant Samsung Electronics Co., Ltd.	Unitary Patent	Representative Nederlandsch Octrooi	ibureau	IPC H04L47/34			

Search results for applicant Samsung

Multiple field identifiers

You can use one or more field identifiers in your search query. The more identifiers and search terms you use, the more precise your search results will be.

 \rightarrow Enter *pa*=*bayer* to find applications filed by Bayer.

Search terms are not case-sensitive if used together with field identifiers, i.e. names can be entered in lowercase.

→ Enter pa=bayer op=sandoz to find applications by Bayer where a notice of opposition was filed by Sandoz.

The default operator is *AND*, i.e. matches will include both terms in the indicated fields.

→ Enter pa=bayer op=sandoz fd=2005 to find applications by Bayer filed in the year of 2005 where a notice of opposition was filed by Sandoz.

Sea	Refine search	⊖ Export (🖨 Print
2	Refine search	Export (
So	rt by Application	No. 🔽	Sort order ascending	Sort		
	tems found, displa arch term(s): (pa :		sandoz) and fd = 2005			
	.ID, ORALLY APP .EASE		ACEUTICAL ADMINISTRATION FORMS	ONTAINING RIVAR	ROXABAN HAVING MC	DIFIED
0	Application No. EP05821797	Publication No. EP1830855	Applicant Bayer Intellectual Property GmbH	Unitary Patent 	Representative BIP Patents	IPC A61K31/5377 A61K9/20 A61K9/28
	POSITIONS COL	MPRISING DROS	PIRENONE MOLECULARLY DISPERSED			
0	Application No. EP05708751	Publication No. EP1748756	Applicant Bayer Schering Pharma Aktiengesellschaft	Unitary Patent 	Representative Wagner, Kim	IPC A61K9/00 A61K9/107 A61K9/48 (+5)
<u>Use</u>	of estradiolvaler	ate and dienoges	t for oral treatment of dysfunctional uteri	<u>ne bleeding in a co</u>	ontraceptive method	
0	Application No. EP05022324	Publication No. EP1787649	Applicant Bayer Intellectual Property GmbH	Unitary Patent 	Representative Plougmann Vingtoft a/s	IPC A61K31/565 A61K31/57 A61P15/00 (+1)

Search results for applications by Bayer filed in 2005 and opposed by Sandoz.

Word sequence connected to a field identifier

If your search term consists of more than one word in a specific order, the words must be enclosed in double quotation marks. Otherwise, the search engine uses the default search criterion for the search terms which are not directly connected to a field identifier.

- → Enter *ti="diesel engine"*.
 - ✓ Applications with the word sequence *diesel engine* in the title are found.
- → Enter *ti=diesel engine*.

Resulting search term(s): *ti* = *diesel* and *txt* = *engine*.

✓ Applications with the word *diesel* in the title and the word *engine* anywhere in the title, in names or addresses are found.

Full word field identifier

The abbreviations are easy to memorize once you get familiarized with their use. However, if you happen to forget a field identifier, you can try the full word alternatively.

→ Enter *applicant=siemens*.

- ✓ This returns the same results as pa=siemens.
- → Enter *filing-date=10.10.2005*.
 - ✓ This returns the same results as fd=10.10.2005.

Searching with Advanced search

Advanced search allows you to find patent applications using more than one search criterion, for example:

- Applications from a specific applicant in a particular year
- Applications from a particular applicant with specific keywords in the title
- Applications from a particular applicant that were opposed by a specific opponent
- Applications by a specific inventor that fall under a specific classification symbol

The *Advanced search* screen provides 16 separate search fields for the different search criteria. These fields are grouped by the type of criterion:

- Numbers
 - Publication number
 - Application number
 - Priority number
- Dates
 - Filing date
 - Publication date
 - Priority date
 - Date of grant
 - Unitary effect request date
 - Unitary effect registration date
- Names (persons or organisations)
 - Applicant(s)/Proprietor(s)
 - Inventor(s)
 - Representative
 - Opponent
- Classification
 - International Patent Classification (IPC)

- Keywords
 - Keyword(s) in title
- Appeal number
 - Appeal Case number

When you enter multiple search terms, the default operators are applied according to the following rules:

- Numbers and dates use **OR** within the same field.
- Names, classifications, keywords (titles) and appeal case numbers use *AND* within the same field.
- Combining the fields always uses **AND**.

Running a search with combined search criteria

→ Enter the search terms into the appropriate fields using the appropriate operators.

Example: You want to find patent applications published in the year of 2011 or 2012 where the applicant is Siemens and an opposition was filed by Vestas or Enercon.

 \rightarrow In the **Publication date** field, enter **2011 2012**.

No operator is required because **OR** is the default operator for search terms in date fields.

- \rightarrow In the **Applicant(s)** field, enter **Siemens**.
- \rightarrow In the **Opponent** field, enter **Vestas OR Enercon**.

The *OR* operator is required because otherwise the search engine would use *AND* as the default operator for name fields.

- → To delete all the search terms from all the fields, click *Clear*.
- → To run the query, click **Search** or hit the **Enter (Return)** key.

Smart search Advanced search	Search results Help	
	Advanced search	
Quick help –		
→ How can I search for the representative of a Unitary	Enter numbers with or without country code	
<u> Patent?</u> → <u>How can I search for the</u>	Publication number	e.g. EP1883031
applicant or proprietor of a Unitary Patent?		li
How many search terms can I enter per field?	Application number	e.g. EP07010825
→ Can I use truncation? → How do I enter an EP		le
application/publication number? → How do I enter a WO (PCT)	Priority number i	e.g. US20030423700
application/publication number? → What are the valid date formats?		li
→ Can I enter a date range for my search?		
→ How do I enter the name of a person or an organisation?	Enter one or more dates (and/or date range for p	
→ How can I find out if an opposition was filed in a specific	Filing date i	e.g. 20070919
technical field? → How do Lenter an International		
Patent Classification (IPC) symbol?	Publication date 1 2022	e.g. 20070919
How do I enter keywords in the title?		
How do I enter an appeal case number?	Priority date	e.g. 20070919
→ What does "Open recent" mean?		
Maintenance news +	Date of grant i	e.g. 20070919
News flashes +		
Related links +	Unitary effect request date i	e.g. 20070919
	Unitary effect registration date	e.g. 20070919
	2023	e.g. 20070313
	Enter the name of one or more persons or organ	ations
	Applicant(s)/Proprietor(s)	e.g. IBM
	Proline	
	Inventor(s)	e.g. Smith
		1.
	Representative i	e.g. vande gucht
		li
	Opponent i	e.g. basf
		1.
	Enter one or more classification symbols	
	International Patent Classification (IPC)	e.g. H02M7/537 H03K17/687
		li
	Enter one or more keywords	
	Keyword(s) in title i	e.g. motor
	L	4
	Enter appeal number	
	Appeal Case number	e.g. T0500 11
		1.
	SmartSearch: (urd = 2023 and applicant = Proline)	and publication-date = 2022
	Loco una approant - Troinio)	<u>Clear</u> Search

Entering search terms in the Advanced search view.

Entering search terms

When you enter a search query in *Smart search* or *Advanced search*, use the following rules for the spelling of search terms:

Upper and lower case

- Search terms are not case-sensitive if entered in combination with a field identifier in *Smart search* (e.g. *pa* = *siemens*) or if entered in the search fields dedicated to names in *Advanced search* (e.g. *Applicant(s)*).
- If entered without a field identifier in *Smart search*, terms that should be treated as names must be written with a leading capital letter. Only the first letter must be in uppercase, regardless of the official spelling of a name (e.g. *Jura* is equivalent to *JURA*).

Language and word formation

- ➔ To find language variations in the application title, enter your search terms in English, German and French, e.g.:
 - \rightarrow In Smart search, enter *ti=keyboard OR ti=clavier OR ti=tastatur*.
 - → In Advanced search, enter keyboard OR clavier OR tastatur into the keyword(s) in title field.

Since patent application titles are not always translated into all three official EPO languages, English search terms will work best in most cases.

- → Consider different translations and grammatical forms of a term if you do not find what you expect.
- ➔ If documents are published in languages that use non-Latin alphabets (e.g. Cyrillic, Greek or Japanese), names are not searchable.

Complex search terms

- → Use spaces or commas to separate multiple terms, e.g. *diesel engine* or *diesel,engine*.
- → Use double quotation marks (") to enclose multiple terms if the precise word order is to be respected, e.g.:
 - \rightarrow In Smart search, enter *ti* = "*laser scanning microscope*".
 - → In Advanced search, enter "laser scanning microscope" into the keyword(s) in title field.
- → Make sure that you do not exclude results that may be relevant. For example, a search for "interactive toy" will exclude applications with the title "interactive talking toy".

Number of search terms

- A maximum of ten terms per searchable bibliographic data (e.g. publication number) are allowed.
- 20 terms in total are allowed.

If the number of terms that you enter exceeds these limits, the *Invalid query* screen will display an error message to that effect.

Umlauts, diacritical characters and ligatures

- German umlauts (*ä*, *ö*, *ü*) can be entered but they are ignored. The search retrieves both *Backer* and *Bäcker* if you enter *Bäcker*.
 - → If you are not sure which spelling is used in the files, search for Bäcker, Backer and Baecker.
- German terms with the character $\boldsymbol{\beta}$ do not retrieve any results.
 - \rightarrow Use ss instead of $m{eta}$.
- Diacritical characters, i.e. characters with accents, tildes or cedillas (é, è, ê, ñ, ç and the like) can be entered but they are ignored. The search retrieves both *Lefevre* and *Lefèvre* if you enter *Lefèvre*.
 - → If you are not sure which spelling is used in the files, search for *Lefevre* and *Lefèvre*.
- Terms with ligatures (*a*, *a* and the like) do not retrieve any results.
 - → Use the two characters instead of the ligature character, e.g. enter **oeuf** if you want to find **œuf**.

Special characters

- Special characters like hyphens (-), apostrophes ('), forward slashes (/) or ampersands (&) in a name do not retrieve any results.
 - \rightarrow Omit special characters in search terms, e.g. enter
 - T Mobile instead of T-Mobile
 - Oréal instead of L'Oréal
 - Procter Gamble instead of Procter & Gamble.
- The special characters question mark (?), asterisk (*) and hash (#) are not allowed because these characters are reserved as wildcards for the truncation search.

If you enter **?**, * or # within a word, the *Invalid query* screen will display an error message to that effect.

Searching with names

Patent applications can be filed under both the name of a person (i.e. a natural person) and that of an organisation (i.e. a legal entity).

When searching with names, select the search function which suits your purpose best:

- If you do not know whether the person or organisation you are looking for is an applicant or inventor, use the *Smart search* function.
- If you know the role of the person or organisation to be queried, use the *Advanced search* function and enter the name in the corresponding field.

Names are not case-sensitive when entered in one of the name fields in *Advanced search* or when entered together with the appropriate field identifier in *Smart search*.

Entering names of persons

In the European Patent Register, names of persons are stored in the order *last name*, *first name, middle name* and separated by commas. In international applications, last names are usually written in uppercase letters.

- → In Smart search, enter the last name followed by the first name in quotation marks, e.g. ia="Alessi Mario".
 - \checkmark The *ia* field identifier searches in both the applicant and the inventor criterion.
- → If you do not see the queried name in the search results, open the file to see whether the name is indicated as an inventor.

Sea	arch results	<u> </u>									
Q	☑ Refine search										
	Sort by Application No. Sort order ascending Sort										
	8 items found, displaying all. Search term(s): i a = "Engelke Carsten"										
ADJ	USTABLE GAITER	R, IN PARTICULAR	FOR HORSES								
0	Application No. EP23156774	Publication No. EP4233807	Applicant Engelke, Carsten	Unitary Patent 	Representative Taruttis, Stefan Georg	IPC A61F5/01 A01K13/00					
RID	ING SADDLE WITH	I TWO-STAGE BEL	TING								
0	Application No. EP23152317	Publication No. EP4215477	Applicant Engelke, Carsten	Unitary Patent © Request date: 24.01.2024 Registration date: 30.01.2024	Representative Taruttis, Stefan Georg	IPC B68C1/02 B68C1/14					
RID	ING SADDLE										
0	Application No. EP21187018	Publication No. EP3981736	Applicant Engelke, Carsten	Unitary Patent © Request date: 24.01.2024 Registration date: 31.01.2024	Representative Taruttis, Stefan Georg	IPC B68C1/02 B68C1/16					
SAD	DLE TREE FOR A	RIDING SADDLE,	AND RIDING SADDLE								
0	Application No. EP20724766	Publication No. WO2020221895	Applicant EURORIDING GMBH&CO KG	Unitary Patent 	Representative 	IPC B68C1/02 B68C1/04					

The search term is found in applicant's and inventor's names.

Where *1* / *see applicant* is displayed in the *About this file* views, the applicant and the inventor is one and the same person.

EP About thi	is file: E	P4215477									
Refine search	↓ ST36	Show history	Previous	4 2/8▶	Next	, 7	Espacenet	Z	Submit observations	≣! Report error	🔒 Print
EP4215477 - R	IDING SA	DDLE WITH TW	O-STAG	E BEL	TING	Right-	-click to book	mark t	his link]	1	
Status		The patent has bee Status updated on 01.3 Database last updated	2.2023	1							
Most recent event	Most recent event 1 01.12.2023 (Expected) grant) grant	published on 03.01.2024 🛪	[2024/01]						
Applicant(s)		For all designated s Engelke, Carsten Vesbecker Weg 4 29690 Lindwedel / I									
	_	[2023/30]									
Inventor(s)		01 / see applicant									
		.≂ [<u>2023/30]</u>	_								
Representative(s)		Taruttis, Stefan Geo TARUTTIS Patenta 30159 Hannover / D	nwaltskanzl	ei Aegidie	ntorplat	z 2b					

Applicant is also inventor.

Entering names of organisations

The official names of organisations usually consist of multiple words. In the European Patent Register, names of organisations are stored exactly in the same wording and word order as provided in the application.

→ In Advanced search, enter the organisation's name in quotation marks, e.g. enter "JURA Elektroapparate AG" in the Applicant(s)/Proprietor(s) field.

All the words making up the official name must be entered in the correct word order.

Sea	Search results											
	Refine search	⊖ Export (CS	SV XLS)		1	🖨 Print						
So	rt by Application	No. S	ort order ascending	✓ Sort								
	96 items found, displaying 1 to 20. Search term(s): applicant = "JURA Elektroapparate AG"											
DEV	DEVICE AND METHOD FOR GRINDING MATERIAL TO BE GROUND											
0	Application No. EP22730263	Publication No. WO2022253639	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent	Representative	IPC A47J31/42 A47J42/46						
MET	THOD FOR GRINE	ING MATERIAL TO	BE GROUND									
0	Application No. EP22730250	Publication No. WO2022253633	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent	Representative	IPC A47J42/08 A47J42/18 A47J42/38 (+1)						
	THOD FOR CLEAN		NFECTING AND/OR RINSING A	MILK-CONDUCTING	SYSTEM OF A COFFEE MACHI	NE, AND						
0	Application No. EP22706325	Publication No. WO2022218587	Applicant JURA ELEKTROAPPARATE	Unitary Patent	Representative	IPC A47J31/44 A47J31/60						
		TENING A MILK-CC	NTAINING FLUID, DISPENSING	DEVICE, SWEETER	NING UNIT AND USE OF A SWEE	ETENING						
0	Application No. EP21749862	Publication No. EP4178401	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent	Representative Mertzlufft-Paufler, Cornelius, et al, et al	IPC A47J31/46 A47J31/44						
MIL	K FOAMING DEVI	CE AND METHOD I	FOR PRODUCING MILK FOAM									
0	Application No. EP20760834	Publication No. EP3998916	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent	Representative Mertzlufft-Paufler, Cornelius, et al, et al	IPC A47J31/44						
MIL	K TRANSPORT D	EVICE FOR A COFF	EE MACHINE AND CORRESPO	NDING METHOD								
0	Application No. EP20704310	Publication No. EP3799555	Applicant JURA Elektroapparate AG	Unitary Patent	Representative Mertzlufft-Paufler, Cornelius, et al, et al	IPC A47J31/44						
AUT	TOMATIC COFFEE	MAKER										
0	Application No. EP20744038	Publication No. EP3930546	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent Request date: 30.06.2023 Registration date: 11.07.2023	Representative Mertzlufft-Paufler, Cornelius, et al, et al	IPC A47J31/44						

Search results for an organisation's name in the applicant(s)/proprietor(s) field.

You can use operators and truncation if you do not know the precise name. However, if you enter only part of the name, the search will return a significantly higher number of results with a high proportion of irrelevant results.

- \rightarrow Enter *Jura* in the Applicant(s)/Proprietor(s) field.
 - The search engine finds the name anywhere in the records of applicants, inventors, representatives or opponents, including their addresses, e.g. street names or building names

0	Application No. EP22730250	Publication No. WO2022253633	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent 	Representative 	IPC A47J42/08 A47J42/18 A47J42/38 (+1)				
	METHOD FOR CLEANING AND/OR DISINFECTING AND/OR RINSING A MILK-CONDUCTING SYSTEM OF A COFFEE MACHINE, AND ASSOCIATED CLEANING DEVICE									
0	Application No. EP22706325	Publication No. WO2022218587	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent	Representative	IPC A47J31/44 A47J31/60				
TILE	E MODULE									
0	Application No. EP21216038	Publication No. EP4020602	Applicant Ström SA	Unitary Patent	Representative Linhart, Friedrich Karl Eberhard	IPC H01L31/048 H02S30/00 H02S20/25				
<u>CO</u>	COVER GLASS FOR WATCH									
0	Application No. EP21198061	Publication No. EP3995905	Applicant Guenat SA Montres Valgine	Unitary Patent	Representative P&TS SA (AG, Ltd.)	IPC G04B39/00				

The search term does not appear in the applicant's name.

- \rightarrow Open a file to see where your search term has been located.
- → If you still do not see the search term, switch to the **Show history** view.

EP About this file	e: EP4020602					
💯 Refine search 🛛 🕁 S	T36 (2) Show history Previous	46/184 ► Next	Espacenet	2 Submit observations	E Report error	🖨 Print
EP4020602 - TILE M	ODULE [Right-click to bookmark this I	link]				
Status	Request for examination was ma Status updated on 06.01.2023 Database last updated on 07.08.2023	ade				
Most recent event i	06.01.2023			te on which the examining n becomes responsible, has t shed	been	
	06.01.2023		Reque	st for examination filed	published on 08.02.2023 🏾	[2023/06]
	06.01.2023		Chang	e - designated states	published on 08.02.2023 🌶	[2023/06]
Applicant(s)	For all designated states Ström SA Rue du Jura 14 1023 Crissier / CH					
	[2022/26]					
Inventor(s)	01 / Söderström, Thomas 1030 Bussigny / CH					

The search term is found in the applicant's address.

Searching with names in Smart search

Using field identifiers is strongly recommended when searching for names. When entered together with the appropriate field identifier, names are not case-sensitive.

The following example demonstrates the effects of using field identifiers, word order, capitalisation and quotation marks.

Example: You want to find applications with the inventor **Graham Bell**.

→ Enter *Graham Bell*, or *Bell Graham*, with both words capitalised.

The resulting search query is nm = Graham and nm = Bell, which is equivalent to nm = Bell and nm = Graham.

✓ The search retrieves a variety of results where *Graham* and/or *Bell* are found in addresses, inventor names or representative names.

EP About this	s file: E	P4073769									
👰 Refine search	↓ ST36	Show history	Previous	∢ 13/369 ▶	Next	л Е	Espacenet	Z	Submit observations	Report error	🖨 Print
EP4073769 - BE click to bookmark this		E VENDING MA	CHINE,	CUP DISP	ENSIN	G AS	SEMBL	Y TH	HEREFOR, AND	RELATED METH	ODS [Right-
Status		Request for examin Status updated on 16. Database last updated	09.2022								
Most recent event	i	11.10.2023			New en	try: R	enewal fee	paid			
Applicant(s)		For all designated s Lavazza Professior Armstrong Road Basingstoke, Hamp	ial UK Limit								
		[2022/42]									
Inventor(s)		01 / MCCOY, Tony Greendale East Allington Devo	n TQ9 7RP	/ GB							
		02 / <mark>BELL</mark> , Jamie 72 Mickle Hill Little Sandhurst Be	rkshire GU4	17 8QU / GB							
		03 / WARHURST, J 4 Spruce Avenue Waterlooville Hamp		3HA / GB							
		.> [2022/42]									
Representative(s)		Archer, <mark>Graham</mark> Jol Archer-IP Ltd Northern Design Ce Abbott's Hill Gateshead Newcastle upon Ty	entre	= / GB							
		[2022/42]									

The search terms are found in different names.

→ Enter *bell graham*, with both words in lowercase.

The resulting search query is *txt* = *bell and txt* = *graham*.

The search retrieves a number of results where *bell* and/or *graham* are found in applicants or in inventors, but not in representatives or opponents.

EP About this	s file: E	EP2614030		
Refine search	↓ ST36	G Show history Previous ↓ 113/369 ► Next > Espacenet Submit observations II Report error I	Print	
EP2614030 - PR this link]	REVENTIO	ON OF AGGLOMERATION OF PARTICLES DURING STERILIZATION PROCESSES [Right-click to book	kmark	
Status		No opposition filed within time limit Status updated on 17.05.2019 Database last updated on 28.03.2024		
Most recent event	i	03.07.2020 Lapse of the patent in a contracting state published New state(s): CY, MK on 05.08.2020 ス [2020]	published on 05.08.2020 ↗ [<u>2020/32]</u>	
Applicant(s)		For all designated states PepsiCo, Inc. 700 Anderson Hill Road Purchase, New York 10577 / US		
		[2018/28]		
Inventor(s)		01 / GRAHAM, Chris 2 Lone Oak Meadows Sandy Hook CT 06482 / US		
		02 / PESCE, Thaddeus 30 Howard Avenue White Plains NY 10606 / US		
		03 / <mark>BELL</mark> , David 2784 Sutton Street Yorktown Heights NY 10598 / US		
		04 / ABASKHROUN, Michael 119 Rockland Center Suite 285 Nanuet NY 10954 / US		

The search terms are found in inventors' and applicants' names.

→ Enter "Graham Bell", with both words capitalised and enclosed in quotation marks.

The resulting search query is *txt* = "*Graham Bell*".

The search retrieves a number of results where the term *Graham Bell* is found in addresses of applicants and inventors, but not in the inventors' names.

Refine search 🛛 🕁 S	T36 Previous ∢6/195 Next > Es	spacenet II Report error		🔒 Print
WO2014032174 - IP	MPLS POP VIRTUALIZATION AND	FAULT TOLERANT VIRTUAL ROU	TER [Right-click to bookmark this link]	
Status	The application is deemed to be withdrav Status updated on 21.08.2015 Database last updated on 28.03.2024	vn		
Most recent event 🚺	21.08.2015	Application deemed to be withdrawn	published on 23.09.2015 🛪 [2015/39]	
Applicant(s)	For all designated states BCE inc. 1 Carrefour Alexander- <mark>Graham-Bell</mark> Tour A-7 Verdun, Quebec H3E 3B3 / CA 			
Inventor(s)	01 / CHUNG, Ting Wo 49 <mark>Beil</mark> rock Drive Scarborough, Ontario M1V 2V8 / CA			
	[N/P]			

The search terms are found in inventors' and applicants' addresses.

→ Enter *in="Graham Bell"*.

- ✓ The search does not retrieve any result at all.
- \rightarrow Enter *in="Bell Graham"* or *in="bell graham"*.
 - ✓ The search retrieves a number of results with different inventors named *Bell*, *Graham*.

EP About this file: EP1023599										
Refine search	↓ ST36	Show history Previous	∢ 11 / 12 ▶	Next	, A E	spacenet	Submit observations	I Report error	Print	
EP1023599 - A	MULTICE	LLULAR IN VITRO AS	SAY OF A	NGIO	GENE	SIS [Righ	t-click to bookmark this link]		
Status		No opposition filed within time Status updated on 04.04.2003 Database last updated on 28.03.20								
Most recent event	i	04.04.2003		No o	ppositio	n filed with	in time limit	published on 21.05.2003	.≉ [2003/21]	
Applicant(s)		For all designated states BIOCURE LIMITED 23 Bridge Street, Ellon Aberdeen AB41 9AA / GB								
		[2000/31]								
Inventor(s)		01 / GRANT, Eileen, Tennant 133 Hamilton Place Aberdeen AB15 5BD / GB								
		02 / <mark>BELL</mark> , <mark>Graham</mark> Thomas 10 Walkershaugh Peebles EH45 8AU / GB								
-		03 / BLOOR, Stephen 40 Harvest Drive, Whittle Le V Chorley, Lancashire PR6 7QL								
		↗ [2001/50]								

The precise search terms are found in the inventors' names.

Searching for notices of opposition

Finding patent applications that have been opposed by others may be particularly interesting if you or your customers have filed applications in a similar technical field or if you want to monitor your competitors' applications.

Searching without an opponent's name

You can conduct a general search for oppositions filed in a specific technical field or by a specific applicant by using the code *o1* for the opponent. This is useful if you do not know the opponent's name or if the name is not relevant in your search context.

Example: You want to find oppositions filed against patents for coffee machines supplied with capsules. One possible IPC symbol is **A47J31/40**.

- → In Advanced search, enter o1 into the Opponent(s) field and enter A47J31/40 into the International Patent Classification (IPC) field.
- → In Smart search, enter A47J31/40 op=01.

Sea	Search results											
Q	Refine search	⊖ Export	(CSV XLS)			Print						
So	rt by Application	No. 🔽	Sort order ascending	~	Sort							
	74 items found, displaying 1 to 20. Search term(s): opponent = 01 and classification = "A47J31/40"											
AUT	OMATIC SYSTEM			FOR INSTANT BE	VERAGE PRODUCTION							
0	Application No. EP19842760	Publication No. EP3917871	Applicant Prototipia Srl	Unitary Patent	Representative Botti & Ferrari S.p.A.	IPC B67D1/00 A47J31/40						
	TRIDGE RECEP	TACLE, CARTRII	DGE SYSTEM, BEVERAGE	PREPARATION N	ACHINE, AND METHOD FOR PROL	DUCING A						
0	Application No. EP18829734	Publication No. EP3716823	Applicant Freezio AG	Unitary Patent	Representative Kutzenberger Wolff & Partner	IPC A47J31/40 B67D1/00						
DEV	DEVICE FOR PRODUCING A BEVERAGE											
0	Application No. EP18743400	Publication No. EP3644802	Applicant Freezio AG	Unitary Patent	Representative Kutzenberger Wolff & Partner	IPC A47J31/40 A23L2/385						

Search results for combination of IPC symbol and unknown opponent.

Searching with a specific opponent

You can search for applications filed by a specific organisation which were opposed by a specific opponent.

Example: You want to find patent applications by Sony which were opposed by Siemens.

- → In Advanced search, enter Sony into the Applicant(s) field and enter Siemens into the Opponent(s) field.
- \rightarrow In Smart search, enter *pa=sony op=siemens*.

Se	Search results										
☑ Refine search											
	Sort by Application No. Sort order ascending Sort										
	items found, displayin earch term(s): pa = sc		ns								
Co	mmunication metho	d, base station and	terminal apparatus								
0	Application No. EP97122843	Publication No. EP0851694	Applicant Sony Corporation	Unitary Patent	Representative Melzer, Wolfgang, et al	IPC H04Q7/00 H04Q7/22 H04B7/26 (+2)					
Nav	<u>vigation system havi</u>	ing a multi purpose	<u>display</u>								
0	Application No. EP96302882	Publication No. EP0740132	Applicant Sony Corporation	Unitary Patent	Representative Nicholls, Michael John	IPC G01C21/20 G08G1/0969 G09B29/10					
Co	rdless telephone app	paratus with recordi	ing-reproducing mear	<u>15</u>							
0	Application No. EP92118888	Publication No. EP0542118	Applicant Sony Corporation	Unitary Patent	Representative Melzer, Wolfgang, et al	IPC H04M1/72 H04M1/65					

Search results for combination of opponent and applicant.

Searching with dates

By adding a date criterion to your query you can limit your search to a date or date range, for example when searching for applications in a specific technical field. Using a date as the only search criterion will return a large number of rather unspecific results.

When searching with dates, note the differences between the two search functions:

- In Smart search, dates can be entered with or without the field identifiers pd (publication date), fd (filing date), prd (priority date) grd (date of grant), ufd (unitary effect request date) or urd (unitary effect registration date). If no field identifier is used, the search engine interprets any search term which is entered in date format to be the publication date.
- The *Advanced search* screen provides one designated entry field for each of the four date criteria.
- If you do not know the exact date when searching with the publication date or the date of grant, it is recommended to enter a month rather than the day. If you enter a date which is not the precise day of the publication or the grant, then your search will return zero results.

Entering one or multiple dates

Depending on your intention, you can enter a date as year, month or day in one of the admissible formats. The date formats follow the usual notation of dates in English, French and German and are easy to memorise.

Example A: You want to know how many applications have been published in the months of January and February 2013.

→ In Smart search, enter 201301 OR 201302.

The operator **OR** is required, because otherwise the default operator **AND** would be applied which would return zero results.

→ In Advanced search, enter 201301 201302 into the Publication date field.

No operator is required, because the default operator in date fields is **OR**.

Example B: You want to find all applications for coffee machines published in the year of 2013.

→ In Smart search, enter coffee machine 2013.

→ In Advanced search, enter coffee machine into the Keyword(s) in title field and 2013 into the Publication date field.

All search criteria are highlighted in the relevant panel views.

Publication	Туре:	A1 Application with search report.
	No.:	EP4079389
	Date:	26.10. <mark>2022</mark>
	Language:	EN
	[2022/43]	
	Туре:	> <u>B1 Patent specification</u>
	No.:	EP4079389
	Date:	08.11.2023
	Language:	EN
	[2023/45]	
Search report(s)	(Supplementary) European search report - dispatched or	n: EP 23.02.2022
Classification	IPC:	B01D24/04, A47J31/06, B01D24/16, [2022/43] C02F1/00, C02F1/28, C02F1/42
	CPC:	B01D24/047 (EP); C02F9/00 (CN); C02F1/003 (EP,US); A47J31/06 (EP,CN); A47J31/0605 (US); B01D24/04 (EP); (+)
Designated contracting states	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,	FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, SM, TR [2022/43] 🔗
Title	German:	FILTERELEMENT AND [2023/23] KAFFEEMASCHINE
	English:	FILTER ELEMENT AND COFFEE [2023/23]
	French:	ÉLÉMENT DE FILTRE ET [2023/23] MACHINE À CAFÉ

Example of highlighted search criteria in the EP About this file view.

Entering date ranges

Date ranges can only be searched for the publication date in *Advanced search* and *Smart search*.

There are several alternative entry methods for date ranges. However, the easiest way is to enter the start date (day, month or year), followed by a colon and the end date.

Example: You want to find all applications filed by Apple published in between 1 January 2012 and 15 March 2012.

- → In Smart search, enter Apple 20120101:20120315.
- → In Advanced search, enter Apple into the Applicant(s) field and 20120101:20120315 into the Publication date field.

Searching with numbers

If you know the application number, the publication number or the priority number of a patent application, it is very easy to retrieve this file from the European Patent Register.

- In *Smart search*, enter the appropriate field identifier *ap* (application number), *pn* (publication number) or *pr* (priority number) together with your search term. If you do not use a field identifier, the search engine will look in all three number fields, applying the default field identifier *num*.
- The *Advanced search* screen provides three individual fields: publication number, application number and priority number.

EP application number

EP application numbers are made up of the *EP* country code (two letters), the year of filing (two digits) and a serial number (six digits).

Example: EP09759043

The letters *EP* can be omitted. Entering the field identifier *ap* in *Smart search* is optional.

Example: 09759043, ap=09759043

Sometimes check digits are added to application numbers. Check digits, have no relevance for patent data and can be omitted.

Example: instead of EP09759043.4, you can enter EP09759043 or 09759043

In international publications you will encounter EP application numbers with seven digits following the four digits for the year. If the original number consists of less than

seven digits, zeros are added after the year to fill up. These "leading zeros" can be omitted.

Example: instead of EP20090759043, you can enter EP2009759043

Application numbers entered in Smart search <u>without</u> a field identifier (ap=) or the country code **EP** may be interpreted by the search engine as a date, e.g. 18750305 = 1875-03-05.

WO (PCT) application number

PCT application numbers are made up of the two letters *WO* followed by the year of filing (four digits), the country code of the country where the application was filed (two letters) and a serial number (five digits), adding up to a fixed length of 13 characters.

Example: WO2006EP12345

The application numbers of PCT documents are not always in a standard format. If you want to use a PCT application number for your search, you must transform it into the standard format. Extra leading zeros must be removed, otherwise the search will retrieve zero results.

Example: For PCT/IB2008/012345 enter W02008IB12345

Example: For PCT/US/1998004141 enter W01998US04141

In *Smart search*, you must add the field identifier *ap* to the WO application number.

Example: ap=WO2007IB51010

EP publication number

EP publication numbers are made up of the *EP* country code and a serial number (seven digits). The letters *EP* can be omitted. Entering the field identifier *pn* in *Smart search* is optional.

Example: EP1023455, 1023455, pn=EP1023455, pn=1023455

WO (PCT) publication number

There are three different PCT publication number formats, depending on the year of publication.

- 1. WOyynnnnn (from 1978 until 30 June 2002)
- 2. *WOyynnnnn* (1 July 2002 to 31 December 2003)
- 3. WOYYYYnnnnnn (single format, since 1 January 2004)

As of now, PCT publication numbers are made up of the WO country code (two letters), the year (four digits) and a serial number (six digits). This "single format" applies to all PCT publications.

Example: W02014178204

If you want to use the single format for a publication number issued earlier, add the first two digits to the year and a leading zero to the serial number.

Example: Instead of W09935053, you can enter W01999035053

In *Smart search*, the field identifier *pn* is not required.

Priority number

Priority numbers are made up of the country code (two letters), the year of filing (four digits) and a serial number (variable, up to seven digits).

Examples: NL19981010536, GB20070006120

You can find all the documents that contain a particular country code in their priority number by entering merely that country code as a search term.

Example: GB

In Smart search, add the field identifier pr to the number.

Example: pr=GB

Searching with classification symbols

You can search with classification symbols in Smart search and Advanced search.

- → Enter classification symbols conforming to the pattern of the classification levels:
 - \rightarrow class, e.g. *A21*
 - \rightarrow subclass, e.g. A21C
 - \rightarrow group (main group), e.g. *A21C1*
 - \rightarrow subgroup, e.g. A21C1/06

The subgroup level is a full classification symbol.

→ In *Smart search*, you can enter an IPC symbol with or without field identifier.

If you do not enter a field identifier and your search term conforms to the IPC pattern, the search engine will automatically recognise your search term as a classification symbol.

Smart search	
Search term(s) A21C1/06	e.g. hair
SmartSearch: ic = "A21C1/06"	<u>Clear</u> Search

Entering classification symbol in Smart search

→ In Advanced search, use the International Patent Classification (IPC) field.

International Patent Classification (IPC)	e.g. H02M7/537 H03K17/687
A21C1/06	1
Enter one or more keywords	
,	o a motor
Keyword(s) in title	e.g. motor
	/i
Enter appeal number	
Appeal Case number 🚺	e.g. T0500 11

Entering classification symbol in the IPC field in Advanced search.

The result list displays the search term highlighted in yellow.

Note that most files have more than one classification symbol. If there are more than three symbols, this is indicated with a number in brackets, e.g. (+1).

Search results										
≅ Refine search										
Sort by Publication No. Sort order descending Sort										
	4 items found, dis arch term(s): ic =				1 2 3 4 5	6 🕨 🖬				
	ERSAL COOKIN	IG MACHINE								
0	Application No. EP98955920	Publication No. WO9926493	Applicant Dong-a Mechatronics Co., Ltd. Cosmic Round Korea Co., Ltd. Magata, Katsumi	Unitary Patent	Representative 	IPC A23N1/00 A21C1/06 A23L1/325 (+1)				
FOO	D PRODUCT FIN	<u>IISHER</u>								
0	Application No. EP96908634	Publication No. WO9638059	Applicant Brown International Corporation	Unitary Patent	Representative 	IPC A23N1/00 A21C1/06 B30B9/02 (+3)				
NOODLE MAKING MACHINE										
0	Application No. EP22855487	Publication No. WO2023016507	Applicant Hangzhou Joyoug Small Household Appliance Company Limited	Unitary Patent es	Representative advotec.	IPC A21C11/20 A21C1/06 A47J43/04				

Classification symbols highlighted in the search results.

→ Open the file to see all classification entries in the *EP About this file* screen.

Publication	Туре:	A1 Application with search report		
	No.:	WO9926493 03.06.1999		
	Date:			
	Language:	JA		
	[1999/22]			
Search report(s)	International search report - published on:	: JP 03.06.1999		
Classification	IPC:	A23N1/00, A21C1/06, A23L1/325, A22C7/00		
	CPC:	A23N1/00 (EP); B30B9/12 (EP)		
Designated contracting states	AT, BE, CH, CY, DE, DK, ES, FI, FF	R, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE		

All classifications in the **EP About this file** screen.

General rules

- The classification symbols are not case-sensitive. You can enter *a21c1* or *A21C1* or *any* other combination of uppercase and lowercase letters.
- The default operator is *AND*, both in *Smart search* and in *Advanced search*.
- You do not need to use wildcards for classification symbols at class level (B65), subclass level (B65D) or main group level (B65D81), as the data is already auto truncated.

Truncating search terms with wildcards

You can use wildcards to truncate search terms in **Smart search** and **Advanced search**.

The available wildcard symbols are:

- * String of characters of any length
- ? 0 (zero) or 1 character
- # Exactly 1 character

If your search should also include the plural form of a word, different endings, or alternative spellings, use the appropriate wildcard.

Examples

- → Enter screw* to find any word beginning with screw, e.g. screws, screwdriver, screwing, screwer, etc.
- → Enter *screw*? to find the words *screw* or *screws*.
- \rightarrow Enter *Ann*# to find the names *Anne* or *Anna*.

Rules and limitations

- Wildcards are always added at the end of a word or part of a word, e.g. *color?* will search for *color* or *colors*.
- Wildcards cannot be followed by an alphanumeric character (inner truncation), e.g. *colo?r* cannot be used to search for *color* or *colour*.
- There must be at least 2 alphanumeric characters preceding a ? or # symbol, e.g. co?, pa#
- If 2 alphanumeric characters precede a ? or # symbol, then a maximum of 3 truncation symbols is allowed.
- If 3 or more alphanumeric characters precede a ? or # symbol, then a maximum of 7 truncation symbols is allowed.
- There must be at least 3 alphanumeric characters preceding a * symbol.
- Only one * symbol can be used per search term.
- Using the * symbol can significantly increase the search time.
- You do not need to use wildcards for classification symbols at class level (B65), subclass level (B65D) or main group level (B65D81), as the data is already auto truncated. Auto-truncation does not provide results at subgroup level with one digit, e.g. B65D81/<u>3</u>. For classifications entered at subgroup level with two digits, e.g. B65D81/<u>32</u>, auto-truncation is not activated, instead the Register

searches for a direct result (hit) only. You can still search for classifications with **one digit** at subgroup level by using the field identifier **ic** with an asterisk *, e.g. H03K17/2*. Truncation with the wildcard **?** in combination with the field identifier **ic** is also allowed at any level, e.g. H03K17?, H03K17/2?, H03K17/68?.

- Wildcards cannot be used in dates.
- Application numbers cannot be truncated.
- In Smart search, wildcards in publication numbers or priority numbers must be used in combination with the appropriate field identifier, e.g. pn=wo2006* or pr=wo2006*.

If you enter $wo2006^*$ alone, then the search engine interprets this term as text and not as a number, i.e. it will search for $txt=wo2006^*$ and this will most probably not return any results.

If you do not use wildcards properly in your search terms, you will see the *Invalid query* screen with an error message to that effect.

Using Boolean operators

When searching with *Smart search* or *Advanced search* you can enter the Boolean operators *AND*, *OR* and *NOT* into the search fields.

Entering an operator is necessary if you want to apply a specific operator instead of the default operator in the relevant field, e.g. if you want to use *OR* instead of *AND* in *Smart search* or in one of the name fields in *Advanced search*.

Boolean operators are not case-sensitive, therefore and, AND or And are equivalent.

Narrowing down the search with AND

AND is the default operator. A search with more than one search term will therefore retrieve patent applications that include all the search terms entered.

Example: You want to find applications related to video cameras that were filed by Sony and that were published in the year of 2010.

\rightarrow In Smart search, enter pa=sony ti="video camera" pd=2010.

This query is equivalent to *pa=sony AND ti="video camera" AND pd=2010*.

Not only the operator *AND*, but also the quotation marks and the field identifiers could be omitted. However, note that this short version is not the same. In this example, *Sony video camera 2010* would retrieve the same results as the full query.

→ In Advanced search, enter sony into the Applicant(s)/Proprietor(s) field, "video camera" into the Keyword(s) in title field and 2010 into the Publication date field.

You do not need to use operators.

Extending the search with OR

By entering the **OR** operator you will retrieve patent applications that include at least one of the terms in your query.

Example: You want to find applications filed by Jura Elektroapparate or De Longhi Appliances.

- → In Smart search, enter pa="Jura Elektroapparate" OR pd="De Longhi Appliances".
- → In Advanced search, enter "Jura Elektroapparate" OR "De Longhi Appliances" into the Applicant(s) field.

Restricting the search with NOT

The *NOT* operator allows you to exclude unwanted search terms from your query. Patent applications that include one search term but not the other will be found.

Example: You want to find applications related to printers except inkjet printers.

- \rightarrow In Smart search, enter ti=printer NOT ti=inkjet.
- → In Advanced search, enter printer NOT inkjet into the Keyword(s) in title field.

Be careful with the *NOT* operator when searching with keywords without field identifiers in Smart search. *NOT* could exclude relevant documents where the excluded search term happens to be present anywhere, e.g. in the title or in an address.

Using comparison operators

Smart search allows the use of comparison operators to shorten the search query. Instead of combining several search terms with Boolean operators, you can use one comparison operator and specify the search terms for your query enclosed in quotation marks. The field identifier is required only once, which makes the query easier to type.

- → Use *all* if you want to include all words in your search, but you do not know the exact order of the words in the title.
- → Enter *ti all "mouse rat trap"*.

This is equivalent to *ti=mouse ti=rat ti=trap* (connected by *AND* as the default operator).

✓ The search retrieves applications which have all three words in the title.

Sea	arch results	<u> </u>						
Ø	☑ Refine search							
So	ort by Application No	o. 🔽 Sort	order ascending	✓ Sort]			
	tems found, displayin earch term(s): ti all ''n							
AR	A RAT AND MOUSE TRAP PACK FOR DOMESTIC USE							
0	Application No. EP08838422	Publication No. WO2009047611	Applicant Den Di De Nora, Paolo	Unitary Patent	Representative	IPC A01M25/00		
Mo	Mouse and rat trap							
0	Application No. EP88301515	Publication No. EP0280504	Applicant Vajs, Lubomir Vajs, Helena	Unitary Patent 	Representative Mommaerts, Johan H., et al	IPC A01M23/30		

Search results for smart search with all.

any

- → Use *any* if you want to find any of the words, for example when looking for synonyms or other translations in English, French or German.
- → Enter ti any "mousetrap mausefalle souricière".

This is equivalent to *ti=mousetrap OR ti=mausefalle OR ti=souricière*.

- The search retrieves applications which have at least one of the three words in the title.
- → To see the result translated into another language, switch the GUI language.
 - The titles are displayed in the selected language, provided that the text has been translated.

all

D	Anmeldenr. EP92921650		Anmelder MOLGAARD, Erik	Einheitliches Patent	Vertreter Larsen, Hans Ole, et al, et al	IPC A01M23/20
MAL	JSEFALLE					
0	Anmeldenr. EP89912151	Veröffentlichungsnr. WO9004920	Anmelder SILVA MILJÖ AB	Einheitliches Patent	Vertreter 	IPC A01M23/24
TIER	FALLE, INSBE	SONDERE MAUSEFAI	LE			
0	Anmeldenr. EP86902572		Anmelder HOLMBERG, Göte Eskil Yngve (deceased, legally represented by HOLMBERG, Dick L. L.) HOLMBERG, Göte Eskil Yngve (deceased, legally represented by HOLMBERG, Brita G. E.)	Einheitliches Patent	Vertreter 	IPC A01M23/2
Geka	apselte Mause	<mark>falle</mark> mit Fangmechani	smus			
0	Anmeldenr. EP85308148		Anmelder AMCAN INC	Einheitliches Patent	Vertreter Meeks, Frank Burton, et al, et al	IPC A01M23/3

Search results in smart search with any, language switched to German.

Using proximity operators

Proximity operators allow searching for combination of words that appear in a specific order or distance to each other. You can use proximity operators in *Smart search* and in *Advanced search* (names, keywords in title).

prox/distance<

With the proximity operator *prox/distance*< you can specify the maximum number of words separating two search terms. The two terms can appear in any order.

- → Enter *battery prox/distance<3 charge*.
 - The search engine retrieves all patent applications where there are no more than three words between the words *battery* and *charge* in the title.

prox/ordered

With the proximity operator *prox/ordered* you can specify the order in which two search terms follow each other.

- → Enter General prox/ordered Electric.
 - ✓ The search engine retrieves patent applications with the words *General Electric*, but not *Electric General*, in their name.

Combining proximity operators with wildcards

You can combine truncated terms with proximity operators.

- → Enter *elect** *prox/ordered layer*.
 - ✓ The search engine retrieves documents that include, for example, the search terms *electronic layer* or *electromagnetic layer*.

The relation symbols > (greater than), <= (less than or equal to) and >= (greater than or equal to) are currently not supported in combination with the proximity operators. Only < (smaller than) can be applied.</p>

Building nested queries

In *Smart search* and *Advanced search* you can enter multiple search terms into the search fields. If your search terms should not be connected by the default operator *AND* one after the other, you need to build nested queries.

Nesting means that one combination of search terms and operator should take precedence over other combinations or terms in the same search query. Like in mathematics, you must use parentheses to specify the order in which the search terms and operators should be interpreted.

The following examples refer to entering a search query into the *Keyword(s) in title* field in *Advanced search*.

Expression in parentheses

The search engine processes the information within parentheses first, and then processes the information outside parentheses next.

→ Enter (mouse OR rat) AND trap to retrieve applications containing the word mouse or the word rat together with the word trap.

Nested parentheses

The search engine processes the innermost parenthetical expression first, then the next, and so on, until the entire query has been interpreted.

- → Enter ((mouse OR rat) AND trap) OR mousetrap to find applications.
 - → either containing the word *mouse* or the word *rat* together with the word *trap*
 - \rightarrow or containing the word *mousetrap*.

The innermost expression can be positioned anywhere within the search query, i.e.

((mouse OR rat) AND trap) OR mousetrap

is equivalent to

mousetrap OR (trap AND (mouse OR rat))

or

(trap AND ((mouse OR rat)) OR mousetrap.

Left has precedence over right.

If you do not use parentheses in your search query, then the search engine processes the search terms and operators one by one, reading from left to right.

- → Enter mouse OR rat AND trap OR mousetrap.
 - ✓ The search engine complements the parentheses and the resulting search query is ((ti = mouse OR ti = rat) AND ti = trap) OR ti = mouse trap.
- → Enter mousetrap OR trap AND mouse OR rat.
 - ✓ Now, the query becomes ((ti = mousetrap OR ti = trap) AND ti = mouse) OR ti = rat.

This retrieves completely different results than *mousetrap OR (trap AND (mouse OR rat))* with the appropriate parentheses.

Building complex queries

When building a complex query with different search criteria, both *Advanced search* and *Smart search* provide distinctive qualities. It depends on your search purpose which method retrieves the best results.

- In *Advanced search*, you can use operators in a specific search field to override the default operator for that field. However, the different criteria (i.e. the search terms from the different fields) are always combined with *AND*.
- **Smart search** allows to use any operator including **AND** to connect the different search criteria in any combination that you wish.
- **Advanced search** only requires parentheses within a search field if operators are used for a nested query.
- In *Smart search*, great care is required to place parentheses, operators and quotation marks correctly.

Example A: You want to find all applications submitted by Siemens Aktiengesellschaft and published between January 2010 and May 2010 with a priority application in the United States of America.

\rightarrow In Smart search, enter pa="Siemens Aktiengesellschaft" 201001:201005 op=01.

Operators and parentheses are not necessary.

→ In Advanced search, enter "Siemens Aktiengesellschaft" into the Applicant(s) field, 201001:201005 into the Publication date field and US into the Priority number field.

Operators and parentheses are not necessary.

Example B: You want to find all applications submitted by Siemens Aktiengesellschaft or Siemens Medical that have been published in 2010 or 2011 with a priority application in the United States of America or in Canada.

→ In Smart search, enter (pa = "Siemens Aktiengesellschaft" OR pa="Siemens Medical") AND (pd=2010 OR pd=2011) AND (pr=US OR pr=CA).

Both operators and parentheses are necessary.

→ In Advanced search, enter "Siemens Aktiengesellschaft" OR "Siemens Medical" into the Applicant(s) field, 2010 2011 into the Publication date field and US CA into the Priority number field.

The *OR* operator is necessary to override *AND* as the default operator in the *Applicant(s)/Proprietor(s)* field. An operator is not necessary in the *Publication number* and in the *Priority number* field, because here *OR* is applied as the default operator. Parentheses are not necessary.

Viewing the search results

There are three possible outcomes for your search:

- 1. Precisely one result.
- 2. No results at all.
- 3. More than one result.

Precisely one result

This usually happens if you enter a specific number, e.g. if you use the application number or publication number of a particular patent document.

In this case, the corresponding application will automatically open in the *EP About this file* view, displaying all the bibliographical, legal status and procedural data.

EP About th	is file: E	P4252730					
Refine search	↓ ST36	Show history	↗ Espacenet	2 Submit observations	I Report error		🔒 Print
EP4252730 R	INSING P	RODUCT CARF	RIER [Right-click	to bookmark this link]			1
Status		The patent has bee Status updated on 16.0 Database last updated	02.2024				
Most recent event	i	16.02.2024		(E	Expected) grant	published on 20.03.2024 🔊 [<u>2</u>	2024/12]
Applicant(s)		For all designated s Miele & Cie. KG Carl-Miele-Straße 2 33332 Gütersloh / I	29				
		[2023/40]					

The matching application file is displayed after searching for a specific publication number.

No results at all

This will happen if you use search terms that do not appear in any document at all or if the file is not yet published.

In this case, the Search results view will display the text No documents found.

About European Patent Registe	er Other EPO online services 👻	Register Alert (email alerts
Smart search Advanced search	h Search results Help	
Quick help	Search results 📓	
What information is displayed in the "Unitary Patent" column?	Refine search	🛱 Print
What does the blue icon mean? Which applicant can I see in the result list?	No documents found	
→ Which representative can I see in the result list?		
→ How can I navigate through the results?		

The search did not yield any result.

If your query caused an error, for example if the format of the application number was wrong, the error message in the *Invalid query* page will tell you why the search has failed.

<i>)</i>)	Europäisches Patentamt European Patent Office Office européen des brevets	European Patent Register	Deutsch	English	Français Contact
		Invalid query			
		The page you tried to display caused an error. CQL expression has invalid syntax. Check your query: "EP000011111			
		You could try one of these options:			
		→ <u>Try again</u> → Return to the home page			
		Legal notice Terms of use			

Invalid query message.

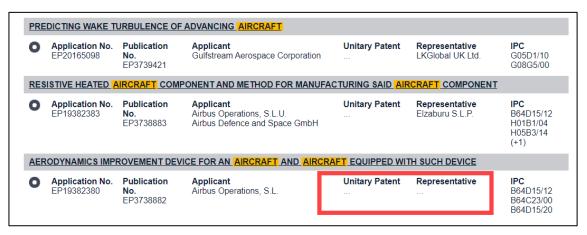
More than one result

You will most probably get more than one result if, for example, you search for documents filed under a particular classification symbol or during a specific period of time.

In this case, your search will produce a results list containing the following columns:

- 1. Monitored application (see Register Alert)
- 2. Application No.
- 3. Publication No.
- 4. Applicant
- 5. Unitary Patent
- 6. Representative
- 7. IPC

The keywords or search terms that you used in your query are highlighted in yellow.



If the *Unitary Patent* column is empty, no request has (yet) been filed for a European patent with unitary effect connected with this application. The request can only be made after the mention of grant of the European patent. Therefore, this information can appear at a later stage in the procedure when a request for unitary effect is received by the EPO.

If the Representative column is empty, there is no European representative connected to this file. It could be that the data is not yet published, or, that the applicant is represented by an authorised employee – which is quite common for larger companies. You can find more information on the representative in the communication which is available in the *EP/UP AII documents* view.

 \rightarrow To open one of the files from the list, click the underlined title.

4 About European Pate	nt Register	Othe	r EPO online s	ervices 👻			Register Al	ert (email alerts
Smart search Advand	ced search	Se	earch results	Help			_	
Quick help	_	Sea	rch resul	ts 🔊				
 What information is displative the "Unitary Patent" column 		Ø	Refine search	⊖ Expo	ort (CSV XLS)			🔒 Print
What does the blue icon r Which applicant can I see result list?	mean? e in the	Sor	t by Applicatio	n No.	Sort order ascending	▼ Sort		
 → Which representative can the result list? → How can I navigate throug results? 			37 items found, arch term(s): ic =		20.		1 2 3 4 5 6	78 ▶ ▶
 → Can I sort the result list? → Why are there dots instean name in the Representation 		Grow	vth differentiati	on factor-3				
column in my result list?		0	Application No. EP04076368	Publication No. EP1475440	Applicant THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE	Unitary Patent	Representative Lee, Nicholas John, et al	IPC C12N15/18 C07K13/00
News flashes	+		EP04070306	EF 147 5440	SCHOOL OF MEDICINE			C07K15/28 (+3)
Related links	+	Hum	an calcium cha	annel composit	tions and methods			
		0	Application No. EP99119092	Publication No. EP0992585	Applicant Merck & Co., Inc.	Unitary Patent 	Representative Horgan, James Michael Frederic, et al	IPC C12N15/12 C12N15/70 C12N5/10 (+3)
			HODS AND CO IBRANES	MPOSITIONS F	OR USING MEMBRANE-PENETRATIN	IG PROTEINS TO CARR	Y MATERIALS ACROSS C	ELL
		0	Application No. EP98913063	Publication No. WO9842876	Applicant THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	Unitary Patent 	Representative 	IPC C12Q1/70 A61K39/02 C07K13/00

The search results page displays a list of applications matching the query.

Your search results are always displayed under the **Search results** tab, no matter whether you enter your search query in **Smart search** or **Advanced search**.

Finding hidden keywords

Your search will also include results relating to the history of a file. That means you may get results where, for example, the patent applicant or the title has changed and no longer includes your search terms.

→ If you cannot find a search term in the file, try to check the former data with the Show history function.

Multiple applicants, representatives and/or classification symbols

The result list shows up to three applicants, representatives and/or classification symbols for each application. If there are more than three entries in the file, the additional number of entries is indicated in brackets, e.g. (+2).

→ Click on the title link to open the application to see all applicants, representatives and/or classification symbols.

Sea	arch result	s 🔊				
2	Refine search	⊖ Export (CS	SV XLS)			🔒 Print
So	rt by Application	n No. 🔽 S	Sort order ascending	Sort		
		displaying 61 to 80. sification = A61K31	I	14	1 2 3 4 5	678 ▶ ▶
	POSITIONS ANI	D METHODS FOR T	REATMENT OF INFLAMMATORY DISE	ASES		
0	Application No. EP23866128	Publication No. WO2024059085	Applicant INVEA THERAPEUTICS, INC. INVENIAI LLC FZ BIOXCEL SOLUTIONS PVT. LTD. (+8)	Unitary Patent 	Representative 	IPC A61K31/5513 A61K31/551 A61K31/55 (+3)
MET	THODS OF MANA	GING TRAUMATIC	BRAIN INJURY			
0	Application No. EP23866112	Publication No. WO2024059056	Applicant EMORY UNIVERSITY YALE UNIVERSITY	Unitary Patent 	Representative 	IPC A61K31/795 A61K31/765 A61P25/00 (+3)

Result indicates that applications have more than three applicants or IPC symbols.

Modifying the search

You can modify your query if the search does not return the results you were expecting, or, if there are too many results or no results at all.

- ➔ To narrow the search, add more search criteria, e.g. limit the search to a specific period of time by entering a publication date.
- → To broaden the search, change the search criteria, e.g. by adding more keywords connected with the OR operator.
- → To exclude unwanted results, use the NOT operator or enter different search criteria.

There are different options to continue with your previous queries or to start a new query from scratch.

Refine search

Use this option if you want to modify the query that you entered in the previous step.

→ Click the *Refine search* button in the toolbar.

The *Refine search* button is available in all panel views.

✓ This will return you to the previous search panel view.

Search result	s 🔊	
Perine search	⊖ Export (CSV XLS)	🔒 Print
Sort by Applicatio	n No. Sort order ascending Sort	
10 000 items found, Search term(s): ic =		1 2 3 4 5 6 7 8 ▶ ▶

Refine search button in the toolbar of the Search results view.

	EP About this	s file: E	P4342465					
	🖉 Refine search	↓ ST36	Previous 1 / 10000 ►	Next		Espacenet	2 Submit observations	≣ ! Report error
[EP4342465 - ME	THODS	OF TREATING H	IEPAT	IC E	NCEPHA	LOPATHY [Right-click to	bookmark this link]

Refine search button in the toolbar of the EP About this file view.

Open recent

Use this option if you want to return to one of the searches that you have previously conducted in *Advanced search*.

Technically, this is possible because the previous queries are saved to a list which is kept in your browser's memory. Once you close the browser, however, the temporary data will be deleted.

The **Open recent** list is displayed at the bottom of the search screen.

→ Click into the **Open recent** field to open the drop-down list.

The previous queries are grouped into recent searches and recent files.

 \rightarrow Select the search or the file you are interested in.

Cmart Caarabi applicant - Microsoft		
SmartSearch: applicant = Microsoft		
Clea	ar Search	
Open recent:		
Recent files		_
EP4286919 / EP22175968 - EP4286919 - MULTI-WAVELE Laserworld (Sw		
EP4273493 / EP22171122 - EP4273493 - HANDGUN WITH Hans Wrage & C.		
EP4265101 / EP23153915 - EP4265101 - STACK PROTEC Nonas Oy		
Recent searches		
Applicant: Microsoft		
Date of grant: 202303		
Publication No.: 4286919		

Selecting an entry from the recent searches and recent files in the Open recent list.

- → Click **Open**.
 - ✓ The selected search results or the selected file will be displayed.

SmartSearch: applicant = Microsoft and publication-date = 2023	
	Clear Search
Open recent:	
Applicant: Microsoft Date of publication: 2023	~
	Open

Opening the selected recent search.

Clear search

Use this option if you want to start a new search from scratch.

Especially when using *Advanced search*, you can easily overlook an entry in one of the fields and you might wonder why your search does not return any results. It is therefore a good idea to clear all search fields in one go before entering new search terms.

- → Click the Clear link, which is located left of the Search button at the bottom of the search view.
 - ✓ This deletes all search terms in the current search view.

The search terms in the other search view (e.g., *Smart search*) are kept until you clear them or close the browser window.

Keyword(s) in title	e.g. moto
	**
Enter appeal number	
Appeal Case number i	e.g. T0500 1
T0500 23 OR T0419 23	
T0500 23 OR T0419 23 martSearch: ((appeal = T0500 and appeal = 23) OR open recent:	appeal = T0419) and appeal = 23
<i>martSearch:</i> ((appeal = T0500 and appeal = 23) OR	appeal = T0419) and appeal = 23

Clearing the search fields.

Using a query for Smart search

When building nested queries with a set of different search terms, only **Smart search** allows you to enter Boolean operators and parentheses deliberately as you need them for a specific expression. If you cannot create the query you want in **Advanced search** because the fields are limited to their default operators, then you can copy the basic query structure and continue to work with it in **Smart search**.

The most recent query is always displayed at the bottom of the search view and at the top and bottom of the results list. All search terms are already connected with the correct field identifiers, operators and parentheses.

- → Go to Smart search.
- → Select the text above the grey box and press CTRL+C to copy it.

Smart search	
Search term(s) i	e.g. hair
SmartSearch: ((pd = 2018 and ti = wind) and pa = siemens) and pr = US	<u>Clear</u> Search

Selecting the most recent search query for Smart search.

- → Click into the search field and press CTRL+V to paste the text.
- → Modify the query as appropriate.
- → Click Search.

Smart search	
Search term(s)	e.g. hair
((pd = 2018 and ti = wind) and pa = siemens) and (pr = US OR pr = DE)	la la
SmartSearch: ((pd = 2018 and ti = wind) and pa = siemens) and (pr	= US OR pr = DE)
	Clear Search

Modifying the query in Smart search.

Browsing the results list

The results list shows 20 results per page. The total number of results displayed is limited to a maximum of 100,000 files, even if more files from the Register would meet the search criteria.

The number of results found in your most recent search is displayed in the grey boxes above and below the results list.

 \rightarrow To open one of the files from the list, click the underlined title.

Sea	rch results					
	Refine search	⊖ Export (C	CSV XLS)			🔒 Print
Sor	rt by Application	No.	Sort order ascending	✓ Sort]	
	items found, displa arch term(s): ti = c		ra		1	23 🕨
	HOD FOR CLEAN		SINFECTING AND/OR RINSING	A MILK-CONDUCTI	NG SYSTEM OF A COFFEE MAC	HINE, AND
0	Application No. EP22706325	Publication No. EP4304428	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent	Representative Mertzlufft-Paufler, Cornelius, et al	IPC A47J31/44 A47J31/60
MILK		EVICE FOR A CO	FFEE MACHINE AND CORRES		2	
0	Application No. EP20704310	Publication No. EP3799555	Applicant JURA Elektroapparate AG	Unitary Patent Request date: 19.12.2023 Registration date: 02.01.2024	Representative Mertzlufft-Paufler, Cornelius, et al	IPC A47J31/44
AUT		MAKER				
0	Application No. EP20744038	Publication No. EP3930546	Applicant JURA ELEKTROAPPARATE AG	Unitary Patent Request date: 30.06.2023 Registration date: 11.07.2023	Representative Mertzlufft-Paufler, Cornelius, et al	IPC A47J31/44
BRE		DR COFFEE MAG	CHINES AND COFFEE MACHIN	IE WITH BREWING	DEVICE	
0	Application No. EP18213071	Publication No. EP3669716	Applicant JURA Elektroapparate AG	Unitary Patent 	Representative EGLI-EUROPEAN PATENT ATTORNEYS	IPC A47J31/36

Search results with highlighted keywords.

Paging the results list

You can browse through the result pages using the pagination bar at the right side of the grey boxes above and below the results list.

The page number of the current page is displayed with a rectangular frame.

- \rightarrow To display the next or previous 20 results, click on the right or left arrow.
- \rightarrow To display a specific page, click on the page number.
- → To go to the last or first page, click on the skip forward or skip backward icon.

Search results 📓	
	🔒 Print
Sort by Application No. Sort order ascending Sort	
10 000 items found, displaying 61 to 80. Search term(s): urd = yes	I I 2 3 I 5 6 7 8 ► ►I

Paging through the search results list.

Sorting the results list

You can sort the results list by application number, publication number, applicant, representative or IPC symbol in ascending or descending order. The default is sorting by application number in ascending order.

- → Change the sort key by selecting an option from the Sort by list.
- ➔ If appropriate, change the sort order from ascending to descending or vice versa.
- → Click Sort.
 - ✓ The list will be re-sorted.

Search results	刻	
💯 Refine search	⊖ Export (CSV XLS)	🔒 Print
Sort by Application No Application No 10 000 it Publication No Search te Applicant Representativ IPC		678 ▶ ▶
GENERATOR FOR SUP	PLYING MEDICAL INSTRUMENTS	

Changing the sort key.

Saving the results list

You can export or print your results list or you can subscribe to an RSS feed if you want to review your search results at a later time.

Exporting or printing will only work for the page you are currently viewing, i.e. a maximum of 20 results at a time can be exported or printed.

 \rightarrow To export or print the next 20 results, go to the next page.

Exporting the results list to CSV or XLS

The export function allows you to save the current result list to a CSV file (default) or to an XLS file. CSV (character separated values) files are text-only data and can be used for further processing, while the XLS format is best opened and edited in Microsoft Excel.

The following columns are exported:

- Title
- Application No.
- Publication No.
- Applicant
- Unitary Patent
- Representative
- IPC
- → To export the list in CSV format, click on *Export* or on the CSV link in the toolbar.
- → To export the list in XLS format, click on the **XLS** link in the toolbar.
- → Choose where to save the file.
- → Enter a distinctive file name by changing the default name (result.csv or result.xls).

This is how the exported list looks like when opened in MS Excel.

Below the EPO logo you will find the export date and the search terms used for your query. The underlined data are active hyperlinks to the Register, allowing you to reopen your query or to open a specific application.

- → Click the underlined search term text to open the query in your browser.
- \rightarrow Click the title of a file to open it online in the Register.

	Α	В	С	D	E	F	G
1	Corpolitione Buropan Buropan diffice auropan diffice auropan						
2	44 items found, displaying 1 to 20.						
3	European Patent Register, 22.03.2024						
4	Search term(s): ti = coffee and pa = jura						
5	Title	Application No.			Unitary Patent	Representative	IPC
	METHOD FOR CLEANING AND/OR DISINFECTING AND/OR RINSING A MILK-CONDUCTING SYSTEM OF A	EP22706325	EP4304428	JURA ELEKTROAPPARATE AG	(none)	Mertzlufft-Paufler, Cornelius, et al	A47J31/44 A47J31/60
7	MILK TRANSPORT DEVICE FOR A COFFEE MACHINE AND CORRESPONDING METHOD	EP20704310	EP3799555	JURA Elektroapparate AG	Request date:19.12.2023 Registration date:02.01.2024	Mertzlufft-Paufler, Cornelius, et al	A47J31/44
	AUTOMATIC COFFEE MAKER	EP20744038	EP3930546	JURA ELEKTROAPPARATE AG		Mertzlufft-Paufler, Cornelius, et al	A47J31/44
ļ	BREWING DEVICE FOR COFFEE MACHINES AND COFFEE MACHINE WITH BREWING DEVICE	EP18213071	EP3669716	JURA Elektroapparate AG	(none)	EGLI-EUROPEAN PATENT ATTORNEYS	A47J31/36
10	METHOD FOR CREATING A COFFEE BEVERAGE IN A COFFEE MACHINE	EP19805882	EP3870005	JURA Elektroapparate AG	(none)	EGLI-EUROPEAN PATENT ATTORNEYS	A47J31/00 A47J31/46
11	METHOD FOR CREATING A COFFEE BEVERAGE IN A COFFEE MACHINE	EP18202645	EP3643210	JURA Elektroapparate AG	(none)	EGLI-EUROPEAN PATENT ATTORNEYS	A47J31/00
	GRINDING DEVICE FOR GRINDING COFFEE BEANS	EP19178804	EP3581079	JURA Elektroapparate AG	(none)	EGLI-EUROPEAN PATENT ATTORNEYS	A47J42/38 A47J42/06 F16C19/06 A47J42/16 F16C33/78 F16C35/06 3

Title hyperlinks in the exported XLS file to the record in the Register.

Printing the results list

- → Click the *Print* icon in the toolbar or press CTRL+P.
 - ✓ The current **Search results** page is printed to your default printer.

Subscribing to RSS feed

An option to follow up your search results is to subscribe to an RSS feed. Microsoft Internet Explorer, for example, has a built-in RSS reader to manage your feeds. If new applications matching your search query are published in the European Patent Register, you will see them in your RSS feed.

→ Click the orange **RSS** icon next to the **Search results** heading.

Sea	rch resul	ts 🔊				
Q	Refine search		ort (CSV XLS)			🔒 Print
Sor	t by Application	on No.	Sort order ascending	▼ S	ort	
Sea	000 items found arch term(s): uro	d = yes	20.	R LIGHT ENGINE	1 2 3	45678 ▶ ₩
0	Application No. EP22175968	Publication No. EP4286919	Applicant Laserworld (Switzerland) AG	Unitary Patent S Request date: 14.02.2024 Registration date: 19.02.2024	Representative Meyer zu Bexten, Elmar	IPC G02B27/09 G02B27/10 G02B27/14

RSS icon in the search results.

✓ The first 100 entries are displayed as an RSS page.

→ Click Subscribe to this feed in the yellow box on top of the list.

🕐 🍘 https://register.epo.org/rssSearch?query=ti+%3D+%22dust+filter%22+or+ 🔎 👻 🗎 🥭 EP Register Search results		☆ ☆
EP Register Search results	Displaying	100 / 100
You are viewing a feed that contains frequently updated content. When you subscribe to a feed, it is added to the Common Feed List. Updated information from the feed is automatically downloaded to your computer		
and can be viewed in Internet Explorer and other programs. Learn more about feeds.	• All	100
Subscribe to this feed	Sort by:	
2)	▼ Date	
Dust filter bag	Title	
28 November 2014, 19:06:28 🔶		

Viewing the search results as an RSS feed.

- → Enter a name for your feed and click **Subscribe**.
 - ✓ The RSS feed is saved to your feed list.

Subscribe to this Feed ×									
	Subscribe to this Feed When you subscribe to a feed, it is automatically added to the Favorites Center and kept up to date.								
Name:	EP Register dust filter OR dust be	ag							
Create in:	S Feeds V New folder								
Add to Favourites Bar									
What is a F	Feed? Subscrit	be 💦	Cancel						

Subscribing to new RSS feed.

The Register allows to save the first 100 entries of a search results page to a new RSS feed. New entries will be added to the beginning of the feed. The corresponding number of entries at the end of the feed will be deleted if the maximum number of 100 is exceeded. In Microsoft Internet Explorer, however, the maximum number of entries in an RSS feed is 2,500.

🗲 🕘 🧭 https://register.epo.org/rssSearch?query=ti+%3D+%22dust+filter%22+or+ 🔎 🛪 🔒 🕫 🖉 🏉 EP Register Search results		× ☆ @
You've successfully subscribed to this feed! Updated content can be viewed in Internet Explorer and other programs that use the Common Feed List.	Displaying 100 / 100	
EP Register Search results 28 November 2014, 19:08:38 Dust filter bag	Sort by: Date Title	
28 November 2014, 19:08:38 ->	✓Mark feed as read View feed properties	

New RSS feed with 100 new entries.

→ To view your feeds later, click the *Favourites* icon in the toolbar and select the *Feeds* tab.

If there are new files matching the search query, their number will be displayed as *New*.

		- 🗆 🗙
Register ×		🟦 🛧 🔅
(Add to favourites 🔻
Favourites	Feeds	listory
EP Regis	ter dust filte	er OR dust bag 🛛 🖒
🔊 EP Regis	ter Search re	esults 🖑

Viewing the RSS feeds in Internet Explorer.

Finding search results in hidden data

If the search engine returns a number of results, but you cannot see your search terms in the files, you can most probably discover the data in the file history. A patent may have been sold to another company, for example, and as a consequence, the name of the patent proprietor in the European Patent Register has changed. *Example:* You are looking for applications by Nokia Siemens Networks published in the year of 2011.

- → In Smart search, enter pa="nokia siemens" and pd=2011.
 - ✓ A number of search results do not display the keywords in the applicant's name.

In this example, it looks as if the applicant changed the company name, but also as if the applicant changed to be a different company altogether.

 \rightarrow To open the relevant file, click its title in the search results table.

Sea	Search results 📓								
Ø	Refine search	⊖ Expor	t (CSV XLS)				🔒 Print		
So	rt by Application	n No.	Sort order ascending	~	Sort				
	8 items found, dis arch term(s): pa :		ns" and pd = 2011			I4 1 2 3 4 5 6	78 🕨		
Cloc	<u>k recovery metl</u>	hod and clock r	ecovery arrangement for co	<u>herent polarisa</u>	tion multiplex rec	eivers			
0	Application No. EP10001212	Publication No. EP2375603	Applicant Xieon Networks S.à r.I.		Unitary Patent 	Representative Lucke, Andreas, et al	IPC H04B10/61 H04L7/00 H04J14/06 (+1)		
Met	hod and arrange	ment for trans	<u>nitting signals in a point to </u>	<u>multipoint netw</u>	ork				
0	Application No. EP10194423	Publication No. EP2330759	Applicant Xieon Networks S.à r.I.		Unitary Patent 	Representative Lucke, Andreas, et al	IPC H04B10/25 H04B10/29 H04B10/50 (+5)		
DEC	ENTRALIZING	CORE NETWOR	K FUNCTIONALITIES						
0	Application No. EP10192376	Publication No. EP2362581	Applicant Nokia Solutions and Netwo	orks Oy	Unitary Patent 	Representative Nokia EPO representatives	IPC H04W76/02 H04W40/22 H04L12/28 (+4)		
Seg	mentation mech	anism for a blo	<u>ck encoder</u>						
0	Application No. EP10011964	Publication No. EP2323266	Applicant Nokia Solutions and Netwo	orks Oy	Unitary Patent 	Representative Brachmann, Roland W., et al	IPC H03M13/29		
IN-E	AND RIPPLE CO	OMPENSATION							
0	Application No. EP09809320	Publication No. EP2321939	Applicant Nokia <mark>Siemens</mark> Networks	Оу	Unitary Patent 	Representative 	IPC H04L27/26		

The queried name is not visible in the search results.

- ✓ The search term you entered is not visible in the applicant's data in the file.
- \rightarrow To view data for former names of the applicant(s), click **Show history**.

EP About this file: EP2375603											
🖉 Refine search	↓ ST36	Ghow history	Previous	4 21/228 ▶	Next		Espacenet	Ľ	Submit observations	≣ I Report error	🔒 Print
EP2375603 - Clock recovery method and clock recovery arrangement for coherent polarisation multiplex receivers [Right-click to bookmark this link]											
Status	ed within tir 29.03.2019 ited on 22.03.3										

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EP About this file:	EP2375603			
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EP2375603 - Clock rec to bookmark this link]	overy method and clock recovery a	arrangement for c	oherent polarisation multip	olex receivers [Right-click
Status	No opposition filed within time limit Status updated on 29.03.2019 Database last updated on 22.03.2024			
Former	The patent has been granted Status updated on 20.04.2018			
Former	Grant of patent is intended Status updated on 10.12.2017			
Former	Examination is in progress Status updated on 21.12.2016			
Most recent event 👔	01.07.2022		se of the patent in a contracting state v state(s): MK	published on 03.08.2022 ≯ [<u>2022/31]</u>
Applicant(s)	For all designated states Xieon Networks S.à r.l. 6, route de Trèves 2633 Senningerberg / LU			
	[2015/27]			
Former [2013/52]	For all designated states Xieon Networks S.à.r.l. Gailleo Center 7, rue Lou Hemmer 1748 Luxemburg / LU			
Former [2013/46]	For all designated states Nokia Solutions and Networks GmbH & Co StMartin-Strasse 76 81541 Munich / DE	io. KG		
Former [2011/41]	For all designated states <mark>Nokiä Siemens</mark> Networks GmbH & Co. KG St. Martinstrasse 76 81541 München / DE	9		

Former applicants are revealed.

- ✓ The former names and/or addresses are displayed in italics.
- ✓ Your keywords are highlighted in yellow.
- → To hide the data again, click *Hide history*.

Viewing applications

When you open a patent application you are interested in, you will see that the user interface consists of five areas:

- [1] Main navigation
- [2] Toolbar

- [3] Content area
- [4] Panel view navigation bar
- [5] Quick help

Europäisches Patentamt European Patent Office Office européen des brevets	European Pat	ent Register		Deutsch English Français Contact
44 About European Patent Register	r Other EPO online services 👻			Register Alert (email alerts)
Smart search Advanced search	Search results Help			
EP4203305	EP About this file: E	P4203305		
European procedure	☑ Refine search ↓ ST36	Show history Previous 461/10000 +	Next > Espacenet 1 Submit observations	📳 Report error 🛛 🖨 Print
EP About this file		Contraction of the second		
EP Legal status	EP4203305 - GENERATO	R FOR SUPPLYING MEDICAL INST	RUMENTS [Right-click to bookmark this link]	
EP Federated register			-3	
EP Event history	Status	The patent has been granted Status updated on 09.02.2024	-	
EP Citations		Database last updated on 28.03.2024		
EP Patent family	Most recent event [1]	09.02.2024	(Expected) grant	published
EP All documents			(Eddored) Brann	on 13.03.2024 > [2024/11]
Unitary Patent	Applicant(s)	For all designated states		
UP About this file	Approxim(o)	Erbe Elektromedizin GmbH		
UP Event history		Waldhörnlestrasse 17 72072 Tübingen / DE		
UP All documents		[2023/26]		
Quick help 5 _]	Inventor(s)	01 / DORNHOF, Konstantin		
What is displayed in the "Lapse	inventor(a)	72160 Horb am Neckar / DE		
during opposition" section? Why are the Unitary Patent (UP)		* [2023/26]		
	Representative(s)	Rüger Abel Patentanwälte PartGmbB Webergasse 3 73728 Esslingen a. N. / DE		
→ What does UPC mean?		[2024/11]		
Why do I see the "Opt-out from the exclusive competence of the UPC" section, even if an opt-out	Application number, filing date	21217016.1	22.12.2021	
has not been sent or received?		[2023/26]		

Overview of a patent application in the EP About this file screen.

Navigating through the file

You can use the *navigation bar* [4] to access further information about the patent application you are viewing, e.g. to inspect the original documents. The navigation bar has two sections: the *European procedure* section with panel views prefixed *EP* and the *Unitary Patent* section with panel views prefixed *UP*.

→ Click an item in the navigation bar to see more details on the corresponding page.

The Unitary Patent section is displayed by default for granted European patents where unitary effect has not been requested within the one-month time limit after the publication of the granted European patent in the European Patent Bulletin. This chapter remains visible until after this onemonth period plus the two-month time limit for a request of reestablishment of rights. Thereafter, if a unitary effect has not been requested, the chapter will disappear from navigation panel.

The European procedure section and panel views

- **EP About this file** Shows the most important bibliographic data of a particular patent application, legal and procedural information, the current status and the history of the file.
- **EP Legal status** Shows the most important legal events in the European patent grant procedure and in the Euro-PCT procedure, plus any information available to the EPO on the fate of the European patent once it becomes the responsibility of the designated states following grant (INPADOC data). Also contains links to the national patent registers of EPO member states.
- **EP Federated register** Is enabled for granted patents only and shows post-grant legal status information on EP patents, provided by the patent registers of the participating national patent offices. And also provides the legal status of European patents with unitary effect in the upper part of the panel view, when applicable.
- **EP Event history** Contains a chronologically ordered list of all changes that triggered a Register event undergone by the application.
- **EP Citations** Displays a list of documents found during the patentability search for the European patent application, documents cited during examination, documents that have been cited by the applicant and documents that were found to be relevant during the opposition procedure. Non-patent literature can also be found here.
- **EP Patent family** Displays a list of documents from around the world that are linked to the European patent application by a common priority number.
- **EP All documents** Gives access to all documents in the public part of a file (also known as online file inspection or "file wrapper"). Published files can be viewed, downloaded and saved for later study.

The Unitary Patent section and panel views

UP About this file Shows the most important bibliographic data of a European patent with unitary effect, legal and procedural information, the current status and the history of the file.

UP Event history	Displays only events related to the unitary patent protection procedure. Contains a chronologically ordered list of all changes that triggered a UP Register event undergone by the patent.
UP All documents	Gives access to all documents related to the Unitary Paten (UP) in the public part of a file (also known as online file inspection or "file wrapper"). Published files can be viewed, downloaded and saved for later study.

Rules of display of the UP section and related panel views

The below example demonstrates when the UP section is visible in the Register according to the Unitary Patent procedure.

EP granted patents on or after the date of grant, <u>without</u> UE request the UP Register is visible and greyed-out, one month plus the two month REES period. After three months from the date of grant if	EP granted patents on or after the date of grant, with UE request UP Register is visible and activated when there is a date of filing of the request for unitary effect	EP Granted patents backfile the UP Register is not visible in those patents granted before the date of start of the UPP system
there was no UE request,	EP1219685	EP3064495
it should not be visible.	European procedure	European procedure
	EP About this file	About this file
EP1219685	EP Legal status	Legal status
European procedure	EP Federated register	Federated register
EP About this file	EP Event history	Event history
EP Legal status	EP Citations	Citations
EP Federated register	EP Patent family	Patent family
EP Event history	EP All documents	All documents
EP Citations	Unitary Patent	
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EP Patent family EP All documents	UP About this file UP Event history	

Using toolbar functions

The *toolbar* [2] provides some extra functions to work with the currently opened application. Depending on the page you are viewing, there are different functions.

22 Refine search ↓ Selected documents ↓ Zip Archive Previous ↓ 42/80 ト Next × Espacenet 🖄 Submit observations 11 Report error

Toolbar in the EP All documents view.

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Refine search
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Go back to the search screen

ST36	Download the application data as an XML file in WIPO ST36 format
Show history	Display previously published data, e.g. former representatives (only in <i>About this file</i> page if changes occurred to bibliographic data published in the EP Bulletin during the application's lifetime)
Previous	Go to the previous application in the result list
Next	Go to the next application in the result list
Espacenet	Open the application in Espacenet
Submit observations	Open the online form to submit your Third-party observations for pending applications
Add	Save the application to Monitored applications (only visible when logged in to Register Alert)
Report error	Open the general EPO contact form (pre-filled with core data)
Print	Print the current page
Selected documents	Download a PDF file combining all the selected documents (only in <i>All documents</i> page)
Zip Archive	Download a ZIP file containing all documents from the current file wrapper (only in <i>All documents</i> page)

Symbols in the content area

Dates or information in square brackets refer to the relevant publication:

- [2010/33] Published in the European Patent Bulletin, year/week
- [*N*/*P*] Not published
- [X] [A] Document categories for cited documents

Links from the content area

Links to other publications are underlined and marked with a little arrow symbol.

 \rightarrow Click the link to open the relevant document or panel views.

published on 27.08.2014 🛪 [2014/35]

European Patent Bulletin

. <u>≯ A2</u>	Application without search report
EP10168973.5 / 7 E	
Renewal fee 20.02.2014	Open in Espacenet Open in the European Patent Register
20.02.2014	
p	K]# DE102007019704
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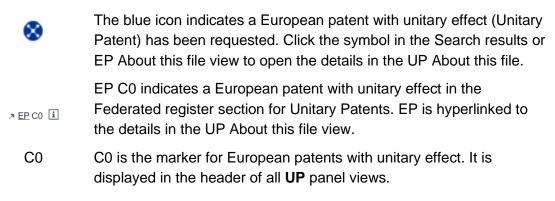
European publication server

Available in both the European Patent Register and Espacenet (divisional applications and their parent applications)

Espacenet, with document category

Espacenet, patent publication

Unitary Patent symbol, links and marker



EP About this file

The first page of each patent file contains an overview of the important bibliographic, legal and procedural information relating to the application. The *EP About this file* view serves as a starting point to open other related documents, to download application data or to start a communication with the EPO regarding this application.

Data categories

In the *EP About this file* view, you will find the following information (where available):

Data area	Contents

Data area	Contents	
Status	Here you can see the status of the patent application at a glance. The italicised text in the second line tells you when the file was last updated in the EPO database.	
Most recent event	Latest changes to the bibliographic, legal status and procedural data of this particular application in the European Patent Register. Note: The <i>Most recent event</i> date reflects only the date on which the action was processed by the EPO's system, so it may differ from the effective legal/filing date of the event concerned. Refer to the information under <i>Legal status</i> or <i>All documents</i> for the effective date.	
Applicant(s)	Applicant(s) names and addresses	
Inventor(s)	Inventor(s) names and addresses When <i>1 / see applicant</i> is displayed here, the applicant and inventor is one and the same person.	
Representative(s)	Representative(s) names and addresses	
Application number, filing date	EP application number and date WO publication number	
Priority number, date	Priority number(s) and date(s) WO/EP publication number	
Filing language	Two-letter code: EN, DE or FR	
Procedural language	Two-letter code: EN, DE or FR	
Publication	For each publication: Type (A1, A2, B1, etc.) No. (EP/WO publication number) Date Language	
International and Supplementary search report(s)	Type of report and dispatch date	
Classification	Classification system, classification symbols Note: The European Patent Register uses the IPC system.	
Designated contracting states	Series of two-letter country codes	
Extension states	For each extension state: Two-letter country code + indication of payment status	

Data area	Contents
Validation states	For each validation state: Two-letter country code + indication of payment status
Title	Application title in German, English and French
Entry into regional phase (PCT applications only)	List of events related to the entry into the European phase, including fees paid
Examination procedure	List of events related to the examination. Note: The first date under examination procedure is the date of despatch of the communication, the receipt of a filed document or the effective date of a payment.
Divisional application(s)	EP application number, link to European Patent Register and Espacenet Note: In the case of non-unity, a divisional application may be filed on the basis of any pending earlier European patent application.
Parent application(s)	EP application number, link to European Patent Register and Espacenet Note: All previous applications are referred to as "parent applications", regardless of their "generation". If more than one parent application is listed here, the more recent is the parent and the older one the grandparent.
Request for further processing for:	List of events preceding the "The application is deemed to be withdrawn" event, upon which the applicant requested further processing
Opposition(s)	Chronologically listed: Date and status of opposition Names of opponent(s) and representative(s)
Appeal	List of appeal-related events, appeal case number Note: Information about appeals can appear in different locations, depending on the file history.
Fees paid	Date of fee payment, fee description Renewal fees Penalty fees
Lapses during opposition	For each EPC contracting state: Two-letter country code, lapse date

Data area	Contents
Documents cited	Grouped by: Search Examination by applicant
Opt-out from the exclusive competence of the Unified Patent Court	The link See the Register of the Unified Patent Court (UPC) for opt-out data in this section leads to events related to the opt-out procedure in the Registry of the UPC. Note: This section is displayed for EP and Euro-PCT applications, even if there has been no opt-out. For WO (PCT) applications designating the EPO and without an EP publication number, the opt-out section is not displayed.
Cited in	Grouped by: International search Opposition Appeal Limitation Revocation by applicant

Examples for status information:

- International publication has been made
- Application published
- Request for examination made
- Examination in progress
- Application withdrawn
- Application deemed to be withdrawn
- Application refused
- Grant intended
- Patent granted
- No opposition filed within time limit
- Opposition rejected
- Opposition procedure closed
- Patent maintained as amended
- Patent revoked

Most recent event

The first date on the left is the day on which the data was added or changed in the European Patent Register as a result of an action taken by the formalities examiner. The second date on the right refers to the publication of the relevant document in the European Patent Bulletin.

For some events, e.g. the grant of a patent, the publication date in the European Patent Bulletin is also the effective date.

Most recent event i 24.10.201	(Expected) grant	published on 19.11.2014 [2014/47]	

Example of granted patent.

Not all most recent events are published in the European Patent Bulletin.

Most recent event 1 21.10.2014 New entry: Renewal fee paid	
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Example of patent renewed.

i	For Most recent events related to European patents with unitary effect, you
	must go to the UP About this file panel view.

Bookmarking the file

➔ To create a bookmark or add the page to your browser's favourites, right-click the underlined title.

EP About this file: EP4286919										
💯 Refine search 🛛 🕹 ST36	G Show history Previous 1 / 10000 ► Next > Espacenet Submit observations I Report error Print									
EP4286919 - MULTI-WAV	/ELENGTH LASER BEAM HOMOGENIZER-EXPANDER LIGHT ENGINE [Right-click to bookmark this link]									
Status	The patent has been granted Status updated on 12.01.2024 Database last updated on 28.03.2024									
Most recent event	05.03.2024 Deletion: Renewal fee paid									

Bookmarking the **EP About this file** page.

- → In Microsoft Edge, select Add to collections.
- \rightarrow In Google Chrome, select **Save Link as**.
- ✓ The Add to collections (Microsoft Edge) or Save link as (Google Chrome) window opens.
- \rightarrow Create a new folder or select an existing one to save the link.

Once saved, you can locate files with the publication number and title in your collections or bookmarks.

Downloading XML data in WIPO/ST36 standard

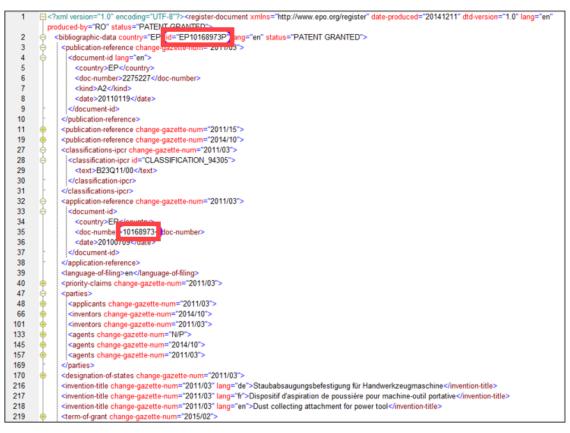
If you want to process data from a patent file, e.g. save it to your own database, the European Patent Register allows you to download the available bibliographic data as an XML file compliant to the WIPO standard ST.36 ("Processing of patent information using XML").

→ To download the XML file, click the **ST36** button in the toolbar.

You will always receive the same XML file for an application, no matter in which page (e.g. *About this file* or *Citations*) you click the *ST36* button.

- \rightarrow In the download dialogue, select to open or to save the file.
 - ✓ If you select **Open**, the XML file is displayed in the default programme for XML files, usually Notepad.
 - ✓ If you select Save, the XML file is named by the application number and saved to your default download folder.

The XML file contains all the data on publications, persons and organisations, legal status, procedural steps, events, patent family, cited documents and citations.



Example of application data in ST36 format, viewed in Altova XML Spy.

For more information, consult the ST.36 information in

Register documentation

Handbook on Industrial Property Information and Documentation (WIPO)

Submitting third-party observations

For applications that are still under examination everybody can submit any observation regarding the patentability of this application

→ To open a new third-party observation form online, click on Submit observations in the toolbar.

The third-party observations form opens in a new browser window (or tab). The form is made up of five steps:

- 1. Personal details (you can select to fill up the form anonymously)
- 2. Facts & evidence (you can upload documents supporting your evidence)
- 3. Novelty
- 4. Inventive step
- 5. Others (e.g. clarity)

For more information, visit Third-party observations on the EPO website

Note: Third-party observations are not an option in the Unitary Patent Protection procedure.

Reporting errors to the European Patent Office

If you discover that data in an application is not correct, you can send a message to the EPO's customer support.

→ To contact the EPO in this matter, click *Report error* in the toolbar.

The online contact form opens in a new browser window (or tab). The topic, subject and application number are already entered into the appropriate fields for your convenience.

EP Legal status

The *Legal status* view provides a list that contains the most important legally relevant results for the European procedure. Where available, it also contains information on the further progress of the granted European patent once it has passed over to the jurisdiction of the designated states. These procedural steps are normally published in the patent gazette of the patent-granting country or organisation concerned.

Data categories

In the *EP Legal status* view, you will find the following information (where available):

Data area	Contents							
Designated contracting states	For each state: Two-letter country code Lapse date Link to national patent register							
Examination procedure	Last event in the examination procedure For the previous examination events, go to the About this file page							
Entry into the regional phase (PCT applications only)	List of events related to the entry into the European phase							
Fees paid	List of fees paid, each with date and description							
European patent granted	Date of grant							
Appeal	List of events related to the appeal case following opposition following examination 							
Opposition procedure	Last event in the opposition period							
INPADOC data	Information on events during the lifetime of an European patent application generated during both the EPO patent grant procedure and the post-grant phase							

The EPO does not accept any responsibility for the accuracy of legal status data relating to the post-grant phase, including but not limited to their completeness and fitness for specific purposes, nor can it guarantee that such data are up to date.

Designated contracting states

The country codes shown under **Designated contracting states** stand for those states designated in the application.

In addition to the country code, there is also a note as to when protection lapsed during the opposition phase or thereafter. Lapses that occur in the national phase of the

patent are not always listed, so if no date is cited, then it is possible that the patent is still in force. To check this, you should contact the national patent office of the contracting state concerned.

→ To access the respective national patent register, click the link that is indicated by the little arrow next to the country code.

EP Legal status: EP3417689										
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		. <u>≯ BG</u>								
		. <u>∧ CH</u>								
		CY		Lap	se: 1	5.04.2020				

Deep links to national patent registers in designated contracting states.

On the national patent register page, you can find national legal information regarding the patent application.

and	Trade Mark Office							DEUTSCI	H BHELP	
								Names/numbers/searc	h terms	
Patents ar	nd utility models 🔻	Trade marks 🔻	Designs 🔻	Indications	of geogr. origin 🔻	Service 🔻	DPMAku	urier 🔻		
Registe	r information	Datent								
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DE file numb Please note: MASTER DA INID	ATA Criterion Type of IP right Status	tatus: pending/in force, C	of the German reg	ister excerpt. Only Field SART ST	Content Patent Pending/in force	ne register excerp	t is legally bin	nding.		:

Example for a patent pending/in force in the German Patent and Trademark Office.

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Patent Register Deta	ils		魯 <u>Pri</u>	<u>nt this page</u>
	PATEN	REGISTER		
Status	Lapsed	Patent No.	<u>3417689</u>	
Application No.	<u>18401048.6</u>	Date of Filing	17/05/2018	
Date Grant Published	15/04/2020	Application Published	26/12/2018	
Title of Invention	AGRICULTURAL PNEUM	ATIC DISTRIBUTOR		
Priority	Priority Country	Filing Date	Application No.	
	Germany	20/06/2017	102017113488	
Inventors	Brüggemann, Klaus Flucke, Jan Ahrens, Jan Bodo Grosenik, Rainer			

Example for a patent lapsed in the Intellectual Property Office of Ireland.

EP Federated Register

The *Federated Register* view displays official bibliographic and legal status data relating to European patent documents in the national post-grant phase as made available to the EPO by the national offices of the designated states, extension states and validation states participating in this service at the time the application is granted.. Where available, deep links allow you to access the relevant national registers direct from the country codes. Where there is unitary patent protection, the upper section of this view provides an overview of the legal status of a European patent with unitary effect.

The Unitary Patent (EP C0) section

When unitary patent protection is registered, you can find the legal status data in this section. The participating member states at the date of registration of unitary effect are listed here, consequently these countries will not be displayed in the below common view for national phase patents.

The following details can be provided:

- EP C0 (EP country code + Unitary Patent marker)
- Status EP C0
- Member states covered by unitary patent protection
- Proprietor(s)
- Invalidation date
- Renewal fees last paid
- Record last updated

Status EP C0: This legal status is also displayed in the **Status** section of the **UP About this file** view.

Member states covered by unitary patent protection

Displays a list of country codes of member states only covered by unitary patent protection at the date of registration.

Proprietor

Displays the name of the proprietor (person or company). If there are more than three proprietors, up to three are displayed and each is numbered.

Invalidation date

The date of decision on invalidation can be for any of the following reasons:

- EP revocation (decided by the EPO or UPC)
- UP revocation (decided by the EPO or UPC)
- UP lapse due to non-payment of renewal fee or additional fee (Rules 14(2) and 10(4) Rules relating to Unitary Patent Protection)
- UP lapse due to expiration of the EP patent
- Expiry date

To access all procedural and legal details of the European patent with unitary effect, go to the **UP About this file** view.

→ Click on EP C0 to open the details in the UP About this file view

Europäisches Patentamt European Patent Office Office européen des brevets	Europe	ean Pat	ent Register			Deutsch	English	Français Contact
About European Patent Register	Other EPO on	line services 👻				🔀 Regis	ter Alert	(email aler
Smart search Advanced search	Help							
EP4119677	EP Federa	ated regist	er: EP4119677					
European procedure								
EP About this file	👰 Refine sea	arch 🕹 ST36	Espacenet Submit obse	ervations II Rep	port error			🔒 Print
EP Legal status			I					
EP Federated register	SPATIALLY D	DISTINGUISHED,	MULTIPLEX NUCLEIC ACID ANAL	YSIS OF BIOLOGIC	AL SPECIMENS			
EP Event history	Application N	No.	Publication No.	Арр	licant	IPC		
EP Citations	EP22190961		EP4119677	Illum	ina, Inc.	C12Q	1/68	
EP Patent family								
EP All documents		Status EP C0	Member States covered by i	Proprietor(s)	Invalidation	Renewal fees	Reco	rd last
Unitary Patent			Unitary Patent Protection		date	last paid	updat	ed
UP About this file		Unitary effect	AT, BE, BG, DE, DK, EE, FI, FR,	Spatial	04.04.2036		11.08.	2023
UP Event history		registered	IT, LT, LU, LV, MT, NL, PT, SE, SI	Transcriptomics				
UP All documents				AB Illumina, Inc.				

EP C0 hyperlink leading to UP About this file.

If there is no registration of unitary effect, this section is not displayed.

The national phase (post-grant) common view

Information on the content provided by each national patent office currently integrated into the Federated Register service is available from the relevant national website. You can find the most recent list of countries with links to their national patent office's website on the EPO website at

http://www.epo.org/searching-for-patents/legal/register/documentation/federatedregister.html

Designated contracting states data

Designated contracting, extension and validation states providing the Federated Register service are listed in the table overview that contains the following bibliographic and legal status data for European patents in the national phase (post-grant) phase:

- Country code where available, with direct hyperlink to the relevant national patent register
- Status
- Application No.
- Publication No.
- Proprietor
- Invalidation date
- Not in force since date
- Renewal fees last paid

 Record last updated – date on which the record in the European Patent Register was last updated or, if this date is not available, the date on which the national register was last updated.

Please note that the responsibility for the accuracy or quality of the data displayed is entirely with the respective national patent office, including but not limited to the completeness and fitness of the information for specific purposes.

For complete and authoritative information, please refer to the respective national patent register, e.g. by clicking the relevant country code.

Where the text **No data provided by the national patent office for this patent office** is displayed, this national patent office has not yet set up a web service to connect to the European Patent Register.

→ Click on the country code to view the data in the relevant national patent register, either in the table or in the **Designated contracting states** section under **National patent registers**.

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MULT	I-WAVELI	ENGTH LASE	BEAM HOMOGENIZE	ER-EXPANDE	ER LIGI	HT ENGI	NE				
Appli	cation No	4	Publication No.		App	olicant				IPC	
EP22	175968		EP4286919		Las	erworld (Switzerl	and) AG		G02B	327/09 327/10 327/14
		Status EP C0	Member States co Unitary Patent Pr		i I	Proprieto	or(s)	Invalidation date	Renewa last pai		Record last updated
<u>≯ EP</u> C	0 i	Unitary effect registered	AT, BE, BG, DE, D LT, LU, LV, MT, NL			Laserwor Switzerla		29.05.2042			28.03.2024
» CHA	Status	force	Application No.	Publication No.			witzerlar	Invalidation date	Not in force since	Renewa fees last paid	last d updated
	Patent in	force	EP22175968	EP4286919	AG	world (S	witzerlar	nd)			14.02.202
* <u>CZ</u>	Request pending	for EP validatio	n CZ2022- 175968	EP4286919	AG	world (S	witzerlar	nd)			16.02.202
* <u>ES</u>	Request pending	for EP validation	n E22175968	EP4286919	AG	nvorld (S	witzerlar	nd)			
.≯ <u>GB</u>	Patent in	force	EP22175968	EP4286919) Laser	rworld (S	witzerlar	nd)			
* <u>GR</u>	No data p	provided by the	national patent office for	or this patent							
<u>л нк</u>	ivo data p	provided by the	national patent office to	or this patent							
<u>≯ HU</u>	No data p	provided by the	national patent office for	or this patent							
<u>≯ IE</u>	Patent in	force	EP22175968	EP4286919	AG	world (S	witzerlar	nd)		14.03.20	15.02.202
<u>≯ MC</u>	Patent in	force	22175968.1	4286919	Laser AG	world (S	witzerlar	nd)			15.03.202
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Data provided by the patent offices from designated contracting states offering the Federated Register Service.

National patent registers

This part of the Federated Register lists ALL designated contracting states, extension states and validation states, irrespective of whether they provide the service.

The states are grouped according to their designation agreement with the EPO:

- \rightarrow Designated contracting states.
- → *Extension states* (if designated)
- → Validation states (if designated)

Most of the countries listed offer deep links to their national patent register. However, if a country does not use deep links, you can find contact details for the national patent offices of member states and other states on the EPO website:

www.epo.org/service-support/useful-links.html

Extension and validation states data

The extension states and validation states are only linked to the relevant national register if the extension fees or validation fees have been paid.

- → Click on the country code to view the relevant national register.
- → To check payments, go to the EP About this file page and see under Extension states.

National patent registers					
Designated contracting states	NT ABE BG A <u>CH</u> CY A <u>CZ</u> A <u>DE</u> A <u>DK</u> A <u>EE</u> A <u>ES</u> A <u>EI</u> A <u>FR</u> A <u>GB</u> A <u>GR</u> NU ALE ALS ALT LI ALT ALU LV MC MK MT A <u>NL</u> A <u>NO APL APT</u> A NE ASL ASK ATR				
Extension states	8				

The link to the national patent register is enabled if extension fees have been paid.

Invalidation date

The *invalidation date* reflects the date when the decision on the invalidation was taken.

Based on the data provided by a national register, the *invalidation date* displayed can be one of the following dates:

- patent withdrawn
- patent revoked
- patent lapsed
- patent expired

The date shown in the Federated Register is the most recent date provided by the national office concerned.

A PCT application is deemed to be withdrawn about 35 months after the filing date of the earliest priority. At this stage, the information will be displayed in the European Patent Register.

Not in force since date

The **not** in force since date is the date on which the rights conferred by the patent are no longer considered to be in force in the country concerned.

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EP Event history

The *EP Event history* view displays all the changes undergone by a patent application. The content area shows a chronological list of all changes to the bibliographical, legal status and procedural data of this European patent application.

The **Date** column shows the day on which data was added or changed in the Register. These legal events/entries could be e.g. the date of receipt of the application at the EPO, the addition of a European representative, the amendment of the title in another language, or the payment of certain fees.

The date on the right is the date of publication of the relevant document in the *European Patent Bulletin*. The issue of the European Patent Bulletin in which the information was published is indicated in square brackets. In many cases the publication date in the European Patent Bulletin is also the legal effective date.

Refine se	earch ↓ ST36 Previous 1/2463 Next A Espacenet 😰 Submit obser	rvations I Report error
Date i 🔹	Description	European Patent Bulletin date, issue number
29.12.2023	(Expected) grant	published on 31.01.2024 /# [2024/05]
15.12.2023	New entry: Receipt of the translation of the claim(s)	
15.12.2023	New entry: Payment of fee for grant	
15.12.2023	New entry: Payment of fee for publishing/printing	
27.11.2023	New entry: Communication of intention to grant a patent	
10.11.2023	Change - classification	published on 13.12.2023 7 [2023/50]
10.11.2023	Change - classification	published on 13.12.2023 7 [2023/50]
06.10.2023	The date on which the examining division becomes responsible, has been established	
06.10.2023	Change - divisional application(s)	published on 08.11.2023 / [2023/45]
06.10.2023	Request for examination filed	published on 08.11.2023 7 [2023/45]
02.10.2023	Amendment by applicant	
30.08.2023	New entry: Renewal fee paid	
28.07.2023	Publication in section I.1 EP Bulletin	published on 30.08.2023 7 [2023/35]
05.06.2023	Change - representative	

Event history showing the most recent events of an application in the Register.

The event date reflects only the date on which the action was processed by the EPO's system, so it may differ from the effective legal/filing date of the event concerned. Refer to the information in the *EP Legal status* or *EP All documents* page for the effective date.

Changing the sort order

The event history table can be sorted by date in descending (default) or ascending order.

→ To reverse the sort order, click *Date* or the double-arrow in the column header.

Date 🚺 🔶	Description	European Patent Bulletin date, issue number
29.12.2023	(Expected) grant	published on 31.01.2024 ↗ [<u>2024/05]</u>
15.12.2023	New entry: Receipt of the translation of the claim(s)	
15.12.2023	New entry: Payment of fee for grant	

Event history sorted in descending order.

✓ The table is sorted in ascending order.

The reverse sort order is also indicated by the little double-arrow in the column header.

<u>Date</u> i ↓	Description	European Patent Bulletin date, issue number
05.06.2023	Change - representative	
28.07.2023	Publication in section I.1 EP Bulletin	published on 30.08.2023 ↗ [2023/35]

Event history sorted in ascending order.

EP Citations

The *EP Citations* view displays a list of documents found during the patentability search for the European patent application, cited during examination, cited by the applicant or cited during the opposition procedure.

The citations are grouped by origin:

- Search
- International search
- Examination
- By applicant

Opposition

Within these groups, the citations are additionally grouped by *Patent literature* and *Non-patent literature*.

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The *Citations* page displays the following information for each document (where available):

Data	Contents	Additional data if cited in Search
Туре	Patent literature, Non- patent literature	
Publication No.	Number with link to Espacenet	Document category code
Publication information	Author(s), bibliography	Document category code, title
DOI	n.a.	Link to dx.doi.org, referring to the online publication (where available)

Document categories

Documents found during the search and cited in the search report are categorised according to their relevance in respect of the invention claimed. These categories are indicated by the capital letters in square brackets. Citations from other sources do not have this categorisation.

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All cited documents available in the European Patent Office databases are displayed, regardless of their country of origin. Non-patent literature (NPL) may be referenced, however, most scientific online publications are only accessible for registered users and paying subscribers.

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Cited in	Search						
	Туре:	Patent literature					
	Publication No.:	> WO0210172 [X] (AVENTIS PHARMA SA [FR], et al) [X] 1-20 * pages 1-4,130 - page 132; claims 1,7,8,13,16 *;					
	Туре:	Patent literature					
	Publication No.:	<u>US2003199541</u> [XD] (LAMPILAS MAXIME [FR], et al) [XD] 1-20 * paragraphs [0131] - [0133]; examples 28a,b,e,33a-c,34- 51; claims 1,11,17,20,24,39 *;					
	Туре:	Patent literature					
	Publication No.:	↗ <u>US2004157826</u> [AD] (LAMPILAS MAXIME [FR], et al) [AD] 1-20* the whole document *;					
	Туре:	Patent literature					
Publication No.:		➤ US2005020572 [X] (ASZODI JOZSEF [US], et al) [X] 1-20 * i.a.;; examples 10,11,16,28a-d; claims 1,6,7,9,17,18 *;					
	Туре:	Non-patent literature					
	Publication information	[X] - BONNEFOY ALAIN ET AL, In vitro activity of AVE1330A, an innovative broad-spectrum nonbetalactam .betalactamase inhibitor, JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY, OXFORD UNIVERSITY PRESS, GB, PAGE(S) 410 - 417, (20040101), ISSN 0305-7453, XP002475045 [X] 1 * the whole document *					
	DOI:	> http://dx.doi.org/10.1093/jac/dkh358					
Cited in	by applicant						
	Туре:	Patent literature	Patent literature				
	Publication No.:	≭ <u>US4539208</u>					
	Туре:	Patent literature					
	Publication No.:	> US4616038					

Examples for documents cited during search and by applicant.

EP Patent family

The *EP Patent family* view displays the complete patent family of the currently viewed application. A patent family is a group of patents that are related to each other by way of the priority or priorities of a particular patent document.

In the *Patent family* page, the related documents are grouped by type and labelled with the letter codes *M*, *E*, *D* and *P*.

M = patent family member

This document is related to the one you are currently viewing by way of at least one priority – directly or via another document.

EP Patent fan	nily: EP1569797 Family dossiers alerts: 🔊 F	SS 🔀 Email		
Refine search	↓ ST36 > Espacenet	Report error		🔒 Print
Туре	M Patent family member			I
	Publication No.	Date	Туре	
	> US8256344 I US8256344	04.09.2012	B2	
	US2006081139	20.04.2006	A1	
	Priority number	Date		
	DE0304038	09.12.2003		
	DE10258326	13.12.2002		

Example for a patent family member.

E = equivalent

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This document has exactly the same priorities as the one you are currently viewing.

Туре	E Equivalent				
	Publication No.		Date	Туре	
	↗ WO2004054804	Global Dossier	01.07.2004	A1	
	Priority number		Date		
	DE10258326		13.12.2002		

Example for a patent equivalent in the patent family.

D = divisional

The divisional application has been divided out of the one that you are currently looking at.

Туре	Divisional application
	» <u>EP2072251</u>

Example for a divisional application in the patent family, viewed from the earlier application.

P = earlier application (parent application)

The parent application is referenced if you are viewing the divisional application and can see the original application as a patent family member. In the case of non-unity, a divisional application may be filed on the basis of any pending earlier European patent application.

Туре	Earlier application	_
	≥ EP1569797	_

Example for an earlier application in the patent family, viewed from the divisional application.

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The *Type* column displays the document kind code which provides a clear identification of the type of publication. The kind codes consist of a capital letter and, most often, a number. Kind codes that begin with an A usually refer to patent applications, those with a B to granted patents, U to utility models and T to the publication of a translation.

The most frequent kind codes are:

- A1 Application published with search report
- A2 Application published without search report
- A3 Separate search report published later
- B1 Patent specification published after grant

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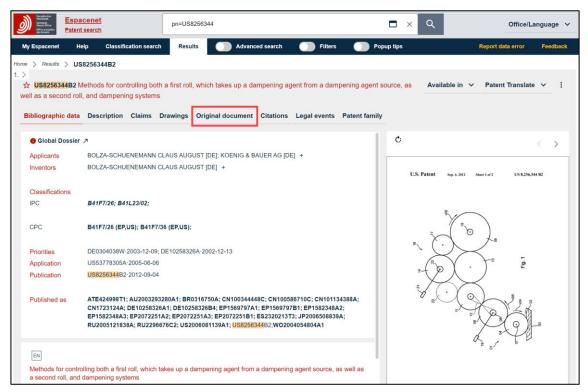
→ Click the underlined link to view the related patent in Espacenet.

Туре	M Patent family member				
	Publication No.	Date	Туре		
	> US8256344 Global Dossier	04.09.2012	B2		
	US2006081139	20.04.2006	A1		
	Priority number	Date			
	DE0304038	09.12.2003			
	DE10258326	13.12.2002			

Link to a patent family member in Espacenet.

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- → To browse through the document, use the *Navigation bar* which is similar to that in the Register.

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Туре	E Equivalent				
	Publication No.		Date	Туре	
	> WO2023232483	Global Dossier	07.12.2023		
	Priority number		Date		
	EP22175968		29.05.2022		
Туре	E Equivalent				
	Publication No.		Date	Туре	
	↗ EP4286919	Global Dossier	14.02.2024	C0	
	↗ EP4286919	Global Dossier	14.02.2024	B1	
	EP4286919		06.12.2023	A1	
	Priority number		Date		
	EP22175968		29.05.2022		

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Туре	E Equivalent				
	Publication No.		Date	Туре	
		Global Dossier	07.12.2023	A1	
	Priority number		Date		
	EP22175968		29.05.2022		
Туре	E Equivalent				
	Publication No.		Date	Туре	
		Global Dossier	14.02.2024	C0	
		Global Dossier	14.02.2024	B1	
	EP4286919		06.12.2023	A1	
	Priority number		Date		
	EP22175968		29.05.2022		

Global Dossier links to that lead to the corresponding file wrappers.

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The partner office and family member's application number appear at the top.

The documents list contains three columns with data about the individual documents in the dossier: date, description, and number of pages (if available).

- → To display the original document in the original language, click on a description marked *(ORIGINAL)*.
- → To display the (machine-)translation into English, click on a description marked (TRANSLATED).

EPO Global	Dossier: JP2022084674 Dossier alert: 🔊 RSS 🔀 Email									
Dossier provided courtesy of JPO										
Date	Description	Pages								
08.08.2023	Decision to Grant a Patent (TRANSLATED)	-								
08.08.2023	Decision to Grant a Patent (ORIGINAL)	-								
19.07.2023	Written Amendment (ORIGINAL)	-								
19.07.2023	Written Amendment (TRANSLATED)	-								
19.07.2023	Written Opinion (TRANSLATED)	-								
19.07.2023	Written Opinion (ORIGINAL)	-								
25.04.2023	Notice of Reasons for Refusal (ORIGINAL)	-								
25.04.2023	Notice of Reasons for Refusal (TRANSLATED)	-								
24.05.2022	Abstract (TRANSLATED)	-								
24.05.2022	Request for a Patent (TRANSLATED)	-								
24.05.2022	Request for a Patent (ORIGINAL)	-								

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JP2022084674	Claims (ORIGINAL)			í	File: J	P2022084674	Claims (TRANSLATED)		
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Viewing the original document in Japanese and the translation in English.

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The *EP All documents* view displays a chronological list of all public documents in the file, including correspondence between the EPO and the applicant or patent attorney.

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EP All documents: EP4286919 Dossier	ert: 🔊 RSS	🔀 Ema	il				
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All documents(40) Search							
□ <u>Date</u> _ Document type						Procedure	Number of pages
29.05.2022 Request for grant of a European patent						Search / examination	5
29.05.2022 <u>Drawings</u>						Search / examination	3

Document list sorted by date in ascending order.

Viewing documents

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EP All doci	uments: EP4218730 Dossier alert: 🔝 RSS 🖂 Email		
Refine searce	th ↓ Selected documents ↓ Zip Archive Previous ∢10/1000 ト Next > Espacenet இ Submit observation	ns III Report error	🔒 Print
All documents(41) Search		
Date +	Document type	Procedure	Number of pages
14.11.2023	Transmission of the certificate for a European patent pursuant to Rule 74 EPC	Search / examination	1
06.10.2023	Decision to grant a European patent	Search / examination	2
27.09.2023	(Electronic) Receipt	Search / examination	1
27.09.2023	Filing of the translations of the claims	Search / examination	1
27.09.2023	French translation of claims	Search / examination	1
27.09.2023	German translation of the claims	Search / examination	1
27.09.2023	Letter accompanying subsequently filed items	Search / examination	2
07.09.2023	Annex to the communication about intention to grant a European patent	Search / examination	1
07.09.2023	Bibliographic data of the European patent application	Search / examination	2
07.09.2023	Communication about intention to grant a European patent	Search / examination	Ę

File wrapper documents listed in the EP All documents view.

- ✓ The PDF viewer opens in a new browser window (or tab) and displays the first page of the selected document.
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EPO Register Plus PDF viewer - Work - Microsoft Edge			×
https://register.epo.org/application?documentId=LN3SCQ9M1J081HZ&number=EP23165		; Q	A»
File: 23165619.0 Decision to grant a European patent			
INI NI Page 1/2 ▶ ▶I I Load all pages			
·≔ ∀ ~ ··· – + ↔ 1 of 1 ♀ ℂ	Q	B	
European Patent Office 80299 MUNICH GERMANY Germany Contact Customer Services at www.epo.org/contact Carpmaels & Ransford LLP One Southampton Row London WC1B 5HA ROYAUME UNI			
Date 06.10.2023 Helerence Application No./Patient No. 23165619.0 - 1109 / 4218730 ApplicantiProprietor Ipsen Biopharm Ltd. Decision to grant a European patent pursuant to Article 97(1) EPC Following examination of European patent application No. 23165619.0 a European patent with the title and the supporting documents indicated in the communication pursuant to Rule 71(3) EPC (EPO Form 2004C) or in the information (EPO Form 2004W, cf. Notice from the EPO dated 8 June 2015, OJ EPO 2015, A52) dated 07.09.23 is hereby granted in respect of the designated Contracting States.			

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		Patent No. : 4218730 Date of filing : 02.05.05 Priority claimed : 03.05.04/USP 567921 Designated Contracting States and Proprietor(s) : AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU LU MC NL PL PT RO SE SI SK TR Ipsen Biopharm Ltd. Ash Road Wrexham Industrial Estate Wrexham LL13 9UF/GB This decision will take effect on the date on which the European Patent Bulletin mentions			
		97(3) EPC). The mention of the grant will be published in European Patent Bulletin 23/44 of 01.11.23. Examining Division			
		Sindel, Ulrike Benbow, Susanne Schüle, Stefa	anie		/
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Follo and t 2004	sion to grant a European patent pursuant to Article 97(1) EPC wing examination of European patent application No. 22175968.1 a European he supporting documents indicated in the communication pursuant to Rule 71 C) or in the information (EPO Form 2004W, cf. Notice from the EPO dated 8 A52) dated 19.12.23 is hereby granted in respect of the designated Contract	(3) EPC (EPO Form June 2015, OJ EPO

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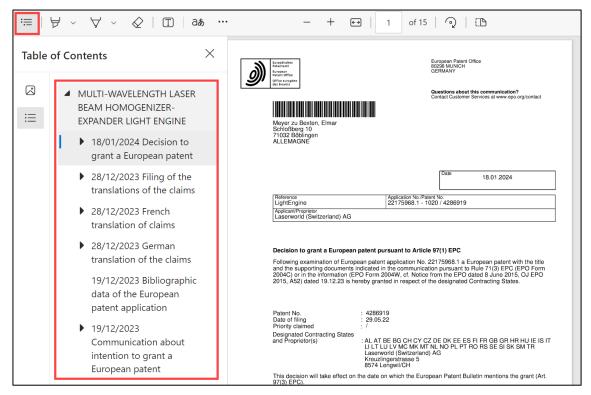
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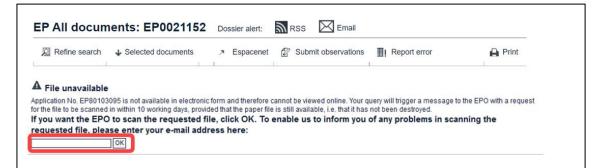
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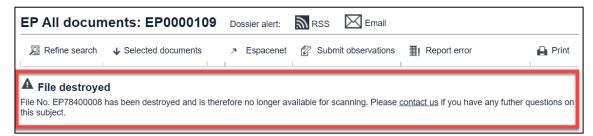
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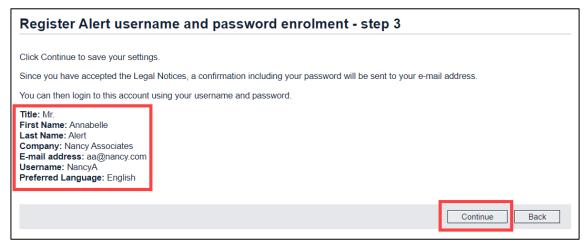
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Confirm new password
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First Name * Anna
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 - ✓ You will receive an email from <u>RegisterAlertautomatedMail@epo.org</u> with the subject *Register Alert service username reminder*.

Forgotten Login Details									
If you have forgotten your password-access login details, we can send you a user name reminder or a new password by e-mail.									
Please select the information you need and type in the e-mail address you used to register for this service, then click "Submit"									
If you require a new password, please also provide the user name requiring the new password.									
Please choose:									
User name reminder									
New password									
E-mail address									
aalert@epo.org									
User name (required for new password)									
Anna Alert									
Clear Submit Cancel									

Requesting a new password for Register Alert.

- → If you need both the username and a new password, select the username reminder first. Then, after you received the username reminder, go back to the *Forgotten Login Details* page and select the *New password* check box.
- → After you received your new password, log in with your username and password.
- → Change your password.

Monitoring applications in Register Alert

When you are logged in to Register Alert, the *Monitored applications* tab becomes visible in the main navigation. The figure in brackets indicates the number of applications that are currently in your list.

You can monitor up to 5 000 files per account. To monitor more than 5 000 files, simply create a new account. You can set up numerous accounts with the same email address.

The list of monitored applications is made up of seven columns, the first of which contains a check box to select each application individually.

The table columns contain the following data:

Seen / Unseen	Register Alert automatically marks changes that have occurred since your last log-in. Applications that have changed are marked as <i>unseen</i> with a filled black circle, whereas applications without changes are marked as <i>seen</i> with a blank circle.					
Appl./Publ.	Application / publication number					
No.	• If you add the application by its application number or if you start monitoring the file from the search results list, this field contains the application number as provided by the Register, i.e. with <i>EP</i> .					
	 If you add the application by its publication number, this field contains the publication number as you entered it, i.e. with or without <i>EP</i> and with <i>WO</i>. 					
Appl. No.	Application number as provided by the Register without the letters ${\it EP}$					
	The application number is the unique ID for a file both in the European Patent Register and in Register Alert, therefore duplicate entries are not possible.					
Publ. No.	Publication number					
Applicant	Name of the applicant(s)					
Date of Change	Date of the most recent Register event					
Reference	Optional personal reference, up to 25 characters					
Description	Optional personal description, up to 100 characters					

Toolbar functions

The toolbar provides some extra functions to work with the monitored applications list.

+ Add 🖉 Edit 🗙 Delete 🕜 Mark as seen 🔹 Mark as unseen 😔 Export 🕀 Import 🖌 Preferences 🔒 Print

Toolbar in the Monitored applications page

Add	Add an application to the list
Edit	Edit your reference and description for the selected application(s)
Delete	Delete the selected application(s) from the list
Mark as seen	Mark the selected application(s) as seen
Mark as unseen	Mark the selected application(s) as unseen
Export	Export the complete list as a CSV file
Import	Import a CSV file to add monitored applications to the list
Preferences	Edit the settings for Register Alert
Print	Print the currently viewed page

Browsing the monitored applications list

You can browse through the monitored applications pages using the pagination bar at the right side of the grey boxes above and below the list.

The page number of the current page is displayed with a rectangular frame.

- \rightarrow To display the next or previous 10 results, click on the right or left arrow.
- \rightarrow To display a specific page, click on the page number.
- → To go to the last or first page, click on the skip forward or skip backward icon.

477 items f	477 items found, displaying 31 to 40.						781	× ×
DRAPER HE	DRAPER HEADER FOR A CROP HARVESTING MACHINE							
Unseen	Appi./Pubi. No. EP20174464		Publ. No. EP3753390	Applicant Macdon Industries Ltd.	Date of Change 2024-02-1	Reference	Descri	ption

Paging through the monitored applications list.

Filtering the monitored applications list

The list can be filtered to show only the unseen applications. This way, you can immediately see whether a change has occurred to one of your monitored files.

- → From the drop-down list on the top left-hand side, select Unseen applications.
- → Click Search.
 - ✓ The list is reduced to the applications marked as *unseen*.

Monitore	ed applicat	ions						
+ Add	🖉 Edit 🗙 E	Delete	O Mark as	seen 🌢 Mark as unseen 🕞 Export 🕞 Import	Preferences		Print	
Unseen ap	plications 🔽	Search	Find in o	current view Appl./Publ. No.	Search	Reset		
Sort by A	ppl./Publ. No.	✓ S	ort order de	scending Sort				
Select al	I							
477 items fo	ound, displaying 3	31 to 40.			i∎ ■ 1 2	3 4 5 6 7	78 ▶ ▶	
DRAPER HE	ADER FOR A CF		STING MACH	INE				
Unseen	Appl./Publ. No. EP20174464	Appl. No. 20174464	Publ. No. EP3753390	Applicant Macdon Industries Ltd.	Date of Change 2024-02-15	Reference	Description	
WELDING TOOL, BAG, INSTALLATION FOR MAKING AND FILLING A BAG AND METHOD FOR FILLING A BAG								
Unseen	Appl./Publ. No. EP20173909	Appl. No. 20173909	Publ. No. EP3785886	Applicant KIEFEL GmbH	Date of Change 2024-03-14	Reference	Description	

List of monitored applications filtered to unseen applications.

The filter selection is maintained until you log out from Register Alert.	
<u>.</u>	

Viewing changes in a monitored application

 \rightarrow To open one of the files from the monitored list, click the underlined title.

477 items f	ound, displaying	31 to 40.			∢ ∢ 1 2	3 4 5 6	78 🕨 🖬		
DRAPER HE	DRAPER HEADER FOR A CROP HARVESTING MACHINE								
Seen	Appl./Publ. No. EP20174464		Publ. No. EP3753390	Applicant Macdon Industries Ltd.	Date of Change 2024-02-15	Reference	Description		
WELDING T	DOL, BAG, INST		OR MAKING	AND FILLING A BAG AND METHOD FOR FILLING A BAG					
Unseen	Appl./Publ. No. EP20173909	Appl. No. 20173909	Publ. No. EP3785886	Applicant KIEFEL GmbH	Date of Change 2024-03-14	Reference	Description		
FIBER-OPTIC GYROSCOPE (FOG) ASSEMBLY									
Seen	Appl./Publ. No. EP20172886		Publ. No. EP3736533	Applicant Northrop Grumman Systems Corporation	Date of Change 2024-02-08	Reference	Description		

Monitored applications list title link with seen and unseen changes.

✓ The *Most recent event* section in the *EP About this file* page displays the event to which the date of change in the list relates.

Refine search 🛛 🕹 ST	36 🚱 Show history 🛪 Espacenet	😰 Submit observations + Add	I Report error	🔒 Prir
EP2363486 - Monoclo antigen [Right-click to bool		n antibody fragments against co	ell-surface prostate sp	ecific membrane
Status	The application has been refused Status updated on 26.03.2021 Database last updated on 28.03.2024			
Most recent event 🚺	26.03.2021	Refusal of application		published on 28.04.2021 ≭ [<u>2021/17]</u>
Applicant(s)	For all designated states Universitätsklinikum Freiburg Hugstetter Strasse 49 79106 Freiburg / DE			

Date of change in the Most recent event section.

Marking applications as seen / unseen

Applications that have undergone changes since your last login to Register Alert are automatically marked as *unseen* with a filled black circle. You can change this application status to *seen* after you viewed the relevant file.

- → To change the status of an individual application from *unseen* to *seen*, click the black circle to the left.
 - ✓ The status is changed and the circle changes to white.

PROTE	ECTIVE	PAD USING A DAMPIN	G COMPONENT					
		Appl/Publ. No. EP13877524	2 pl. No. 877524	Publ. No. EP2967161	Applicant NIKE Innovate C.V.	Date of Change 2015-12-18	Reference	Description
PEDTE	Mark	the application as seen						
		Appl./Publ. No. EP14769690	Appl. No. 14769690	Publ. No. EP2967159	Applicant NIKE Innovate C.V.	Date of Change 2015-12-18	Reference	Description

Marking an application as seen.

Vice versa, you can mark any application as *unseen* if you want to have a closer look at it at a later time.

- → To change the status of an individual application from seen to unseen, click the white circle to the left.
 - ✓ The status is changed and the circle changes to black.

TONER DU	ST FILTER						
Seen	Appl/Publ. No. EP08758852	Appl. No 0875885	Publ. No. EP2158019	Applicant Carl Freudenberg KG	Date of Change 2013-05-17	Reference	Description
RK	k the application a	unseen	COPOLYMERS W	HICH ARE SOLUBLE AND/OR DIS	PERSIBLE IN WATER AN	ID IN ORGANIC	SOLVENTS
Seen	Appl./Publ. No. EP09748410	Appl. No. 09748410	Publ. No. EP2326673	Applicant Arkema France	Date of Change 2015-09-11	Reference	Description

Marking an application as unseen.

- ➔ To change the status of multiple applications, tick the check box to the left of each item.
- → Click *Mark as seen* or *Mark as unseen* as appropriate.
 - ✓ The status of the selected applications is changed.

	d applicatior						
+ Add 2	Zedit X Delete	O Mar	k as seen 🌒	Mark as unseen ⊖ Export	Elmport 🖌 Pr	eferences	Print
Unseen ap	plications 🔽	Search	nd in current view	Appl./Publ. No.	Se	arch Re:	set
Sort by Se	en	Sort order	ascending	Sort			
Select all							
6 items foun	d, displaying all.						
Monoclonal a	ntibodies and single	chain antibody f	ragments against	cell-surface prostate specific membr	ane antigen		
Unseen	Appl./Publ. No. EP11151622	Appl. No. 11151622	Publ. No. EP2363486	Applicant Universitätsklinikum Freiburg	Date of Change 2015-12-18	Reference Ref-6	Description
DECARBONAT	TION PROCESS						
Unseen	Appl./Publ. No. EP12730813	Appl. No. 12730813	Publ. No. EP2707666	Applicant Lafarge	Date of Change 2015-12-18	Reference	Description
DUST-COLLE	CTING HONEYCOMB I	ILTER					
Unseen	Appl./Publ. No. EP13814815	Appl. No. 13814815	Publ. No. EP2745910	Applicant NGK Insulators, Ltd.	Date of Change 2015-12-25	Reference	Description
PROTECTIVE	PAD USING A DAMPI	NG COMPONENT					
Unseen	AppL/Publ. No. EP13877524	Appl. No. 13877524	Publ. No. EP2967161	Applicant	Date of Change 2015-12-18	Reference	Description

Changing the status of selected applications from unseen to seen.

Searching the monitored applications list

You can search your list for a specific application or publication number, applicant, date of change, reference or description.

- \rightarrow From the drop-down list, select the criterion you are interested in.
- → Enter the search term.
- → Click Search.

/loi	nitore	d application	6					
+	Add 2	🖍 Edit 🗙 Delete	⊖ Mark a	s seen 🌘 Mar	k as unseen 🕞 Exp	ort 🕀 Import	Preferences	Prin
M	onitored a	pplications 🔽	Search Find in	current view Ap	plicant 🔽 I	NIKE	Search	Reset
So	rt by Ap	pl./Publ. No.	Sort order de	escending	✓ Sort			
	Select all							
2 it	ems found	d, displaying all.						
PP	ER FOR	AN ARTICLE OF FOO	TWEAR WITH COL	ORING LAYER A	ND CONTROL SURFACE L	AYER		
	Unseen	Appl./Publ. No. EP21178429	Appl. No. 21178429	Publ. No. EP3895576	Applicant NIKE Innovate C.V.	Date of Change 2024-02-08	Reference	Description
leti	nod of ma	aking an article from p	olurality of panels					
כ	Seen	Appl./Publ. No. EP13185317	Appl. No. 13185317	Publ. No. EP2676562	Applicant NIKE Innovate C.V.	Date of Change 2018-10-11	Reference	Description

Searching all applications with a specific applicant.

→ To delete the search term and to return to the default view, click **Reset**.

The search selection is maintained until you click *Reset* or when you log out from Register Alert.

Sorting the monitored applications list

You can sort the list by any of the columns in ascending or descending order. The default is sorting by *Appl./Publ. No.* in ascending order.

- → Change the sort order by selecting an option from the **Sort by** list.
- ➔ If appropriate, change the sort order from ascending to descending or vice versa.
- → Click Sort.
 - ✓ The list will be re-sorted.

Monitored applications	
+ Add Ø Edit X Delete O Mark as seen ● Mark as unseen O Export I Import P Preference	es 🔒 Print
Monitored applications V Search Find in current view Appl./Publ. No.	Reset
Sort by Date of Change Sort order descending Sort	

Changing the sort order for the list of monitored applications.

The sort order is reset to default once you leave the *Monitored applications* page.

Adding applications to the monitored list

When you are logged in to Register Alert, there are three methods how you can start monitoring applications.

- 1. Adding an application in the *Monitored applications* page
- 2. Adding applications from the Search results page
- 3. Adding an application from the About this file page

Adding an application in the Monitored applications page

If you want to add a file while viewing the *Monitored applications* page, you need to know either its application number or publication number.

- → Click the *Add* button in the toolbar.
 - ✓ The *Add new application* page is displayed.
- \rightarrow Enter either the application number or the publication number.
 - \rightarrow Enter an application number as 8-digit number without a country code.
 - → Enter a publication number with a country code, e.g. *EP811545* or
 WO9912805. The same formats as for searching the Register are allowed.
- \rightarrow Optionally, enter your personal reference and a description.
- → Click Submit.

Add new application	on	
Either the application or	publication number has to be specified	
(you can monitor up to 948 more	applications)	
Application number		e.g. EP07010825
Publication number i		e.g. EP1883031
EP811545		
Reference (max. 25 characters	5)	
Description (max. 100 charact	ers)	
	<u>Clear</u>	Submit

Entering publication number to add application to the monitored list.

✓ If adding the application was successful, you are returned to the *Monitored applications* page. ✓ If the application could not be added, e.g. if you entered the publication number of an application that was already on your monitored list, you will see an error message including the application number affected.

Add new application	
Either the application or publication number has to be specified	
(you can monitor up to 4,522 more applications)	
Application number	e.g. EP07010825
	li
Publication number Publication number is already being monitored (Number: EP21178429)	e.g. EP1883031
EP3895576	li

Error message when trying to add an application to the monitored list.

Monitored applications are indexed by their application number. This is why each application can be added to the list only once, regardless of whether you enter the EP publication number, the WO publication number or the EP application number.

Adding applications from the Search results page

In the *Search results* page, you can add applications individually or add all results shown in the current page.

To the left of each application, there is a doughnut symbol which is normally black. Monitored applications are marked with a green doughnut symbol.

- ➔ To add an individual item to the list of monitored applications, click the black doughnut symbol.
- → To add all applications shown in the current page, click the Add button above the result list.

Sea	arch resul	ts 🔊								
Ø	Refine search	⊖ Expo	ort (CSV XLS)						A	Print
So	rt by Applicatio	on No.	Sort order ascending	✓ 5	Sort					
	Add	dd results of cu	rrent page to list of monitored app	olications						
	Delete	elete results of	current page from list of monitore	ed applications						
	000 items found arch term(s): ufe		20.			1 2 3	4	56	78	▶ ₩
MUL	TI-WAVELENG	TH LASER BEA	AM HOMOGENIZER-EXPANDER	LIGHT ENGINE						
0	Application No. EP22175968	Publication No. EP4286919	Applicant Laserworld (Switzerland) AG	Unitary Patent © Request date: 14.02.2024 Registration date: 19.02.2024	Representative Meyer zu Bexten, I	Elmar			IPC G02B2 G02B2 G02B2	27/10
HAN	IDGUN WITH B	REECH LOCKI	NG MECHANISM							
0	Application No. EP22171122	Publication No. EP4273493	Applicant Hans Wrage & Co. GmbH	Unitary Patent Request date: 12.03.2024 Registration date: 22.03.2024	Representative Meyer, Ludgerus				IPC F41A3 F41C3	

Adding items from the search results to the list of monitored applications.

- ✓ The selected application(s) is (are) added to your list and the relevant doughnut symbol(s) change(s) to green.
- → To close the popup message, click **OK**.

Refine search	⊖ Export (CS)	/(XLS)		Prin
Sort by Appli Add A Delete	pplication(s) added. Y	ou can monitor up to 959 more application	s	
11 Items found Search term(s		ОК		
Application No. EP14171431		p and filter assembly Applicant SEB S.A.	Representative Bourrières, Patrice	IPC A47J27/21
Dust filter bag Application No.		Applicant	Representative	IPC
EP14163372	EP2786689	BRANO FILTER GMBH Vorwerk & Co. Interholding GmbH	Louis Põhlau Lohrentz	A47L9/14
	for livestock building	g equipped with a removable dust filter		

Monitored applications are marked with a green doughnut symbol.

Adding an application from the EP About this file page

In the *EP About this file* page, the toolbar provides a special button for the monitoring of this application.

→ To add the file to your list of monitored applications, click Add.

EP About this file: EP4296581								
Refine search	T36 Previous ∢2/10000 ► Next > Espacenet 🖄 Submit observations 🕂 Add III Report error	Print						
EP4296581 - AIR	NDITIONING INSTALLATION [Right-click to bookmark this link] Add the application to the monitored list							
Status	The application has been published Status updated on 24.11.2023 Database last updated on 28.03.2024							

Adding a file to the list of monitored applications.

✓ The application is added to your list and the button changes to **Delete**.

EP About this file: EP1744769								
Refine search	↓ ST36	Delete III Report error						
EP1744769 - NC	-STAINING TOPICAL IODINE COMPOSITION [Right-click to boo	kmark this link]						
Status	The application is deemed to be withdrawn Status updated on 09.10.2009 Database last updated on 28.03.2024							

The file is added to the list of monitored applications.

Deleting applications from the monitored list

When you are logged in to Register Alert, there are three methods how you can stop monitoring applications.

- 1. Deleting applications in the *Monitored applications* page
- 2. Deleting applications when in the Search results page
- 3. Deleting an application when in the About this file page

Deleting applications in the Monitored applications page

You can delete one or multiple applications from your monitored list.

- \rightarrow To select the application to be deleted, tick the check box at the left.
 - → To select all applications on the current page, tick the Select all check box above the list header.
- → Click the *Delete* button in the toolbar.
 - ✓ The applications are removed from your monitored list.

/lor	nitor	ed applicat	tions						
+ ,	Add	🖉 Edit 🗙 [Delete	O Mark as	seen Mark as unseen	⊖ Export € In	nport	Preferences	🔒 Prin
Мо	onitored	applications 🗸	Search	Find in c	urrent view Appl./Publ. No.	v		Search	eset
Sor	t by 🛛	ppl./Publ. No.	✓ S	ort order des	scending Sort	t			
	Select a	Ш							
477	items f	ound, displaying '	1 to 10.					1 2 3 4 5	678 🕨
NON	-STAIN	ING TOPICAL IO		OSITION					
□ s (een ⊃	Appl./Publ. No. EP99967682	Appl. No. 99967682	Publ. No. EP1744769	Applicant Symbollon Corporation	Date of Change 2009-10-08	Reference	Description	
	<u>DYED, I</u>	NON-OXIDISING	METAL POW	<u>/DER</u>					
✓ s	ieen	Appl./Publ. No. EP99935265	Appl. No. 99935265		Applicant Rutger Larsson Konsult AB	Date of Change 2011-09-29	Reference	Description	
A S Y	STEM	AND METHOD FO			OF VARIABLE INFORMATION DO	DCUMENTS			
✓ s	een	Appl./Publ. No. EP99929667	Appl. No. 99929667	Publ. No. EP1782338	Applicant Kodak IL Ltd.	Date of Change 2013-05-16	Reference	Description	
BOW	ED INS	TRUMENT MAD	E OF A COM	POSITE MATE	ERIAL				
□ s	seen ⊃	Appl./Publ. No. EP90910767	Appl. No. 90910767	Publ. No. EP0433430	Applicant Centre National de la Recherche Scientifique	Date of Change 2004-07-22	Reference ABC-1234	Description (AT) Extinction: 02.11.1	995

Deleting selected applications from the monitored list.

Deleting applications when in the Search results page

In the **Search results** page, monitored applications are marked with a green doughnut symbol.

- ➔ To remove an individual item from the list of monitored applications, click the green doughnut symbol.
- → To remove all applications shown in the current page, click the *Delete* button above the result list.
 - ✓ The selected application(s) is (are) removed from your list and the relevant doughnut symbol(s) change(s) to black.

0										
Sea	rch result	is 🔊								
Q	☐ Refine search									
Sor	Sort by Application No. Sort order ascending Sort									
	Add Add results of current page to list of monitored applications Delete Delete results of current page from list of monitored applications									
	10 000 items found, displaying 1 to 20. Search term(s): pd = 2023									
	OMPUTER IMPL EN DURING A D			OD FOR CLASSIF	ICATION OF MICROELECTRODE RE	CORDINGS				
0	Application No. EP23461523	Publication No. EP4295756	Applicant Naukowa I Akademicka Siec Komputerowa Panstwowy Instytut Badawczy	Unitary Patent	Representative Markieta, Jaroslaw Franciszek	IPC A61B5/00 A61B5/07				
AIR-	CONDITIONING	INSTALLATIO	N							
0	Application No.	Publication No.	Applicant Global Piping Systems, S.L.	Unitary Patent	Representative Pons	IPC F24D3/08 F24D11/02				
	lo stop mo	nitoring this	application, click now			F24F110/10 (+8)				
DEE	P LEARNING-B	ASED TECHNI	QUES FOR PRE-TRAINING DEEL		AL NEURAL NETWORKS					
0	Application No. EP23209885	Publication No. EP4296899	Applicant ILLUMINA, INC.	Unitary Patent	Representative Robinson, David Edward Ashdown	IPC G16B20/20 G16B40/20 G06F18/2413 (+6)				
MET	HOD AND APPA	ARATUS FOR C	ONTROLLING ION ENERGY DIS	TRIBUTION						
0	Application No. EP23209856	Publication No. EP4297537	Applicant AES Global Holdings, Pte. Ltd.	Unitary Patent	Representative Gill, David Alan	IPC H02M7/48 H01L21/3065				

Removing an application from the monitored list when in the **Search results** view.

Deleting an application when in the *EP/UP About this file* view

In the *EP/UP About this file* page, the toolbar provides a special button to manage the monitoring of this application.

- → To remove the file from your list of monitored applications, click **Delete**.
 - ✓ The application is removed from your list and the button changes to *Add*.

About this file:	EP2158019				
Perfine search			Delete Delete the appli	I Report error ation from the monitored	Print
Status	The application is dee Database last updated		list		
Most recent event i	17.05.2013	Application deemed to be with	drawn pub	olished on 19.06.2013 🛪 [2013	3/25]

Removing an application from the monitored list when in the **EP About this file** view.

Editing the application reference

You can enter your personal text into the reference field and the description field either when adding a new application to the monitored list or at any time later.

- → To edit an application in the monitored list, tick the check box to the left of the item.
- → Click the *Edit* button in the toolbar.

Monitor	ed applica	tions						
+ Add	🖉 Edit 🗙 [Delete	O Mark as seer	n 🌒 Mark as unseen 🛛 🕀 E	xport 🕀 Impo	ort 🌶	Preferences	🔒 Print
Monitored	applications	Search	Find in curre	ent view Appl./Publ. No.			Search Reset	
Sort by	ppl./Publ. No.	✓ S	ort order descen	ding Sort				
Select a	II							
48 items fo	und, displaying 1	to 10.					1 2 3	345 ▶⊮
BOWED INS	TRUMENT MAD	E OF A CON	POSITE MATERIA	<u>AL</u>				
Seen	Appl./Publ. No. EP90910767	Appl. No. 90910767	Publ. No. EP0433430	Applicant Centre National de la Recherche Scientifique	Date of Change 2004-07-23	Reference ABC-1234	Description (AT) Extinction: 02.11.	1995
FERROMAG	SNETIC ELEMEN	T FOR INDU	CTIVE HEATING	OF CONTENTS OF A VESSEL				
Seen	Appl./Publ. No. EP3462814	Appl. No. 17194158	Publ. No. EP3462814	Applicant Vestel Elektronik Sanayi ve Ticaret A.S.	Date of Change 2019-10-11	Reference	Description Publication planned fo (Testing Alert ad	r 03.04.19
DIODE LAS	ER APPARATUS	WITH FAC	LENS OUT-OF-PL	ANE BEAM STEERING				
Seen	Appl./Publ. No. EP19751579	Appl. No. 19751579	Publ. No. WO2019157092	Applicant NLIGHT, INC.	Date of Change 2019-08-17	Reference	Description	
OPTICAL C	ONNECTOR ASS		ND OPTICAL CAE	BLE ASSEMBLIES WITH SUPPLEMEN	ITAL INPUT VOL	TAGE		
Seen	Appl./Publ. No. EP18811367	Appl. No. 18811367	Publ. No. WO2019102454	Applicant Corning Optical Communications Wireless LLC	Date of Change 2019-09-23	Reference	Description	

Selecting and editing an application from the monitored list.

- ✓ The *Edit application* page is displayed.
- → Enter your text into the *Reference* field (max. 25 characters).
- → Enter your text into the *Description* field (max. 100 characters).
- → To delete the text from all the fields, click *Clear*.
- → To save your changes, click *Submit*.

Edit application	
Application: 18811367	
Reference (max. 25 characters)	
ABC-1234	
Description (max. 100 characters)	
Next renewal fee due: 2021	x
	<u>Clear</u> Submit
	\sim

Example of text entered in the personal reference and description fields.

✓ The new reference and description are displayed in the monitored list.

WASHING N	ACHINE						
Unseen	Appl./Publ. No. EP19166584	Appl. No. 19166584	Publ. No. EP3533919	Applicant Samsung Electronics Co., Ltd.	Date of Change 2019-08-02	Reference	Description
OPTICAL C	ONNECTOR ASS	SEMBLIES A	ND OPTICAL CAR	BLE ASSEMBLIES WITH SUPPLEMENTAL IN	PUT VOLTAG	E	
Seen	Appl./Publ.	Appl. No.	Publ. No.	Applicant	Date of	Reference	Description
0	No. EP18811367	18811367	WO2019102454	Corning Optical Communications Wireless	Change 2019-09-23	ABC-1234	Next renewal fee due: 2021
	EP18811367	18811367	WO2019102454			ABC-1234	Next renewal fee due: 2021

Reference and description field updated and displayed in the list of monitored applications.

- → To edit multiple applications in one step, tick the check boxes for the items to be changed and then click *Edit*.
 - ✓ The *Edit application page* displays the entry fields for the selected applications one below the other.

Edit application
Application: 19758214
Reference (max. 25 characters)
Description (max. 100 characters)
Application: 19751579
Reference (max. 25 characters)
Description (max. 100 characters)
Application: 19166584
Reference (max. 25 characters)
Description (max. 100 characters)
Clear Submit

Editing multiple applications.

Do not use commas, semicolons, quotation marks or slashes and avoid using diacritical characters in the reference and description fields. Special characters can create problems when you use external software to open or import a CSV file which you exported from your monitored list.

Exporting the monitored applications list

Register Alert allows you to export the list of monitored files into a file which you can save as a data back-up on your computer. You can also import this file into another Register Alert user account, or you can edit and process the file for further data analysis.

- → When logged in to Register Alert, go to the *Monitored applications* page.
- → To export the complete monitored list, click the *Export* button in the toolbar.

Monitor	ed applicat	ions									
+ Add	🖉 Edit 🗙 D	elete	⊖ Mark as	seen 🌘 Mark as unse	en 🔾 🔿	Export	- Import	Preference	S	A	Print
Monitored	applications 🗸	Search	Find in c	current view Appl./Publ. N	0. 🗸			Search	Reset		
Sort by	ppl./Publ. No.	✓ S	ort order des	scending	Sort						
Select a	ll.										
477 items f	ound, displaying 1	to 10.						1 2	3 4 5 6	78	► H
NON-STAIN	ING TOPICAL IOD		OSITION								
Seen	Appl./Publ. No. EP99967682	Appl. No. 99967682	Publ. No. EP1744769	Applicant Symbollon Corporation		Date of Change 2009-10-08	Reference	Description			

Exporting the list of monitored applications.

- Register Alert produces a CSV file that will download as a compressed ZIP archive.
- \rightarrow At the browser download prompt, choose to open or to save the ZIP file.

Europäisches Patentamt Europan Patent Office Office européen des brevets	European Patent Register	Recent download history EPOMonitoredFiles (6).zip 5.1 Kit - Done	X rançais Contact
About European Patent Register Smart search Advanced search	Other EPO online services Monitored applications (477) Help	22175968 (2).pdf 170 KB • 33 minutes ago	Log out
	Monitored applications	Full download history	
→ How do I change my password? → Can I change my username? → What does the dot beside the application mean?	+ Add 🖉 Edit 🗙 Delete 🔿 Mark as seen 🐠 Mark as unseen 🧲	Export Preferences	A Print
→ Can L customise the way my monitored applications are displayed?		te a back-up of your list of monitored	et

Download prompt in Chrome.

→ To inspect the downloaded ZIP file, click the folder in Recent download history to open.

📓 🖻 📕 🖛	Extract	EPOMonito	redFiles (7)							
File Home Share View	Compressed Folder Tools									
Documents	Pictures		📕 3D Objects		1.					
Contacts	Desktop		Downloads	*	Extract					
Favorites	Links		MADRAS	Ŧ	all					
	Ð	xtract To								
← → ✓ ↑ 🚹 > This PC > Do	ownloads > EPOMonitored	Files (7)						~ Ŭ	Search	EPOMonitoredFiles (7)
🖈 Quick access			Name	Туре		Compressed size	Password p	Size	Ratio	Date modified
		F	applications	Microsoft Excel Co	mma S	5 KB	No	19 KI	3 74%	28-03-2024 15:30
🚆 European Patent Office										
📤 OneDrive - European Patent Offic	ce									
🧢 This PC										
3D Objects										
Desktop										
Documents										
Downloads										

File downloaded to your computer's **Downloads** drive.

- ✓ The **EPOMonitoredFiled.zip** file contains the **applications.csv** file.
- → To copy the CSV file to another location, drag it from the ZIP folder and drop it to the destination folder.
- → To extract the ZIP file and its contents into a separate sub-folder, click Extract under the Compressed Folder Tools tab and then select Extract all.

Image:	Extract Compressed Folder Tools	EPOMonitoredFiles (7)					
Contacts Favorites	Pictures Desktop Links	3D Objects Downloads MADRAS	÷ Extract all				
\leftarrow \rightarrow \checkmark \uparrow 1 $\stackrel{1}{1}$ > This PC > D		iles (7)			~ Ŭ		onitoredFiles (7)
📌 Quick access 🛔 European Patent Office		Name applications	Type Microsoft Excel Comma S	Compressed size Password p Size 5 KB No	19 KB	Ratio 74%	Date modified 28-03-2024 15:30

Copying CSV file from downloaded ZIP archive.

The **applications.csv** file contains the following fields:

number	the data in the <i>Appl./Publ. No.</i> column, i.e. the number that you entered when adding the application. The value can be the publication number or the application number, including the two-letter country code.
appnumber	the application number as the unique ID provided by the Register, without the letters <i>EP</i>
pubnumber	the publication number that you entered when adding the application, without the two-letter country code
reference	the personal reference
description	the personal description, phrases with blank spaces are enclosed in quotation marks
seen	<i>true</i> = seen, <i>false</i> = unseen

The *applicant* field is not included in the exported CSV file.

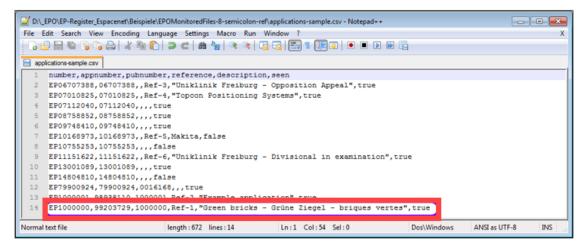
Opening the exported file as text-only

➔ To view the CSV file as text-only, open it in any text editor like Notepad, UltraEdit or Notepad++.

The first line in the CSV file is the data header containing the field names. In this example, the delimiters are commas.

Each subsequent line contains the data of one monitored application, delimited by commas. If there are two consecutive commas, this means that the corresponding field in the monitored applications list was empty.

Special characters and diacritics are displayed correctly, as most text editors automatically identify the CSV file as UTF-8 encoded data.



CSV file opened in Notepad++.

Opening the exported file in Microsoft Excel

If MS Excel is installed on your computer, a CSV file will automatically open in MS Excel when you double-click it.

The first line in the Excel spreadsheet contains the field names.

The **seen** column contains **TRUE** or **FALSE** if you are using an English version of MS Excel. This word will be translated into the localised language, e.g. if your version of MS Excel is German you will read **WAHR** and **FALSCH** instead.

Note that the diacritical characters in the last row of this sample file are not displayed properly.

X					applications-sample.csv - Excel				?	Ŧ -	- 🗆	2
F	ILE HOM	E INSERT	PAGE LAY	OUT FO	RMULAS DATA REVIEW VIEW							
			c C									
A1	. •	: × .	$\checkmark f_x$	number								
4	Α	В	С	D	E	F	G	н	1		J	
L	number	appnumber	pubnumber	reference	description	seen						
2	EP06707388	6707388		Ref-3	Uniklinik Freiburg - Opposition Appeal	TRUE						
\$	EP07010825	7010825		Ref-4	Topcon Positioning Systems	TRUE						
ŧ.	EP07112040	7112040				TRUE						
	EP08758852	8758852				TRUE						
5	EP09748410	9748410				TRUE						
1	EP10168973	10168973		Ref-5	Makita	FALSE						
	EP10755253	10755253				FALSE						
	EP11151622	11151622		Ref-6	Uniklinik Freiburg - Divisional in examination	TRUE						
D	EP13001089	13001089				TRUE						
1	EP14804810	14804810				FALSE						
2	EP79900924	79900924	16168			TRUE						
3	EP1000001	98938110	1000001	Ref-2	Example application	TRUE						
	EP1000000	99203729	1000000	Ref-1	Green bricks - Grļne Ziegel - briques vertes	TRUE						
5												
	< →	applications	s-sample	+	: •							Þ
ŝ	DY 🔝			<u> </u>	COUN	IT:6 🏢		7				00%

CSV file opened in Microsoft Excel.

Saving the CSV file to an MS Excel document

The CSV format does not allow a number of functions that are useful when working with MS Excel. You can save a copy of the exported CSV file in XLSX format.

- → Open the CSV file in MS Excel.
- → To save the CSV file in XLSX format for further editing, click the *File* tab.
- → Click **Save as** and select the folder where the file should be saved.
- → Edit the file name as required.
- → Change the Save as type from CSV (Comma delimited) (*.csv) to Excel Workbook (*.xlsx) and click Save.
 - ✓ The new file opens in MS Excel where you can continue to work with it.

Setting the appropriate delimiter for CSV files

The default list delimiter that is applied by Microsoft Excel when opening a CSV file depends on the language of your computer's operating system.

- English systems use the comma: a CSV file with comma delimiters will open properly as an Excel spreadsheet.
- German and French systems use the semicolon: a CSV file with semicolon delimiters will open properly as an Excel spreadsheet.

If you are working with a German or French operating system, it is therefore recommended to change the export settings in Register Alert, so that the semicolon is

the default delimiter. However, your installation of MS Office or your operating system could also be configured in a different way, so just try which delimiter works properly.

Importing CSV data into the monitored applications list

Register Alert allows you to import a list of applications that you created yourself or that was exported from Register Alert previously. The list can be imported as a text file in CSV format.

CSV files can be created in Microsoft Excel or another spreadsheet calculation software as well as in a text editor like Notepad, UltraEdit or Notepad++.

- → When logged in to Register Alert, go to the *Monitored applications* page.
- → To import a list in CSV data format, click the *Import* button in the toolbar.

Monitored applications	
+ Add 🖉 Edit 🗙 Delete O Mark as seen ● Mark as unseen 🕞 Export 🕞 Import 👂 Preferences	🖨 Print
Monitored applications 🗸 Search Find in current view Appl./Publ. No.	
Sort by Appl./Publ. No. Sort order descending Sort	

Importing CSV data to the monitored applications.

- → In the next page, click the **Browse** button under **File path**.
- → Navigate to the CSV file, select it and click **Open** to upload it.
- → Click *Import*.

Import applications to be monitored	
Identify the file to be imported below and click 'Import'. Importing a large number of items may take some time. You can monitor up to 959 more applications File path:	
C:\Users\Susanne\Documents_EPO_Register\applications.csv Browse	
	Import

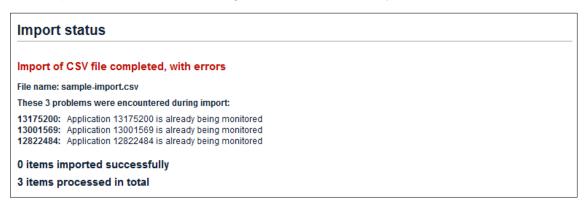
Import file selected.

✓ The file is processed and the *Import status* page is displayed.

Import status	
Import of CSV file completed	
File name: applications.csv	
41 items imported successfully	
41 items processed in total	

Import of CSV file completed successfully.

If the import failed, an error message to the effect is displayed.



Error message after import.

→ To view the imported applications, go back to the *Monitored applications* page.

Creating CSV files for import

The CSV import file must contain exactly six fields (columns) in the following order:

number	the field must exist in the file, but is left empty
appnumber	the application number. Use the same formats that are accepted when using the <i>Add</i> button to add individual files (e.g. 99100026 with 8 digits).
pubnumber	the publication number. Use the same formats that are accepted when using the <i>Add</i> button to add individual files (e.g. EP811545, EP1023455, WO9912805, WO02051231).
reference	a user-provided reference, up to 15 characters
description	a user-provided description, up to 50 characters
seen	If you want the file to appear as seen, specify <i>true</i> . Otherwise, the import applies <i>false</i> as the default value and the item will appear as unseen.

- The maximum file size is 100 KB.
- As a minimum, either the **appnumber** or the **pubnumber** field must be supplied. The other fields are optional.
- The value in **appnumber** or **pubnumber** must be a valid number, i.e. a number existing in the Register, otherwise it will not be imported.
- Using the **appnumber** rather than the **pubnumber** is recommended, because Register Alert indexes the applications by **appnumber**. Importing a file with **appnumber** values will therefore be much faster, because resolving the **pubnumber** values is relatively time-consuming.

Editing CSV files in a text editor

If you create or edit a CSV file with a text editor, consider the following additional rules:

- Use the same delimiter which is set for *Import and Export* in the Register Alert Preferences, i.e. either comma or semicolon.
- All lines must contain the six fields in the precise order number, appnumber, pubnumber, reference, description, seen.
- The first line can provide the field names as a header, however, it will not be imported.
- If fields are empty, they must nevertheless be represented by two consecutive delimiters.
- If text strings in the reference or description field consist of several words with blank spaces, the field contents must be enclosed in quotation marks.
- If your text contains diacritical characters, set the encoding of the file to UTF-8.

The following example shows CSV data with three records. Note that the **number** and **pubnumber** fields are empty in all the rows.

```
,EP13175200,,ref1,"This is a sample description",true
,EP13001569,,ref2,description-text,
,EP12822484,,ref3,,false
```

This is how the imported applications appear in the monitored list.

3 items fou	nd, displaying all.						
VENTURI NOZZLE AND FILTER STRUCTURE MOUNTED WITH SAME FOR DUST COLLECTION DEVICE							
Unseen	Appl./Publ. No. EP12822484	Appl. No. 12822484	Publ. No. WO2013022163	Applicant Lee, Choong-Joong	Date of Change 2014-08-01	Reference ref3	Description
Dust filter cartridge and filter device							
Unseen	Appl./Publ. No. EP13001569	Appl. No. 13001569	Publ. No. EP2656896	Applicant Zeppelin Reimelt GmbH	Date of Change 2014-11-14	Reference ref2	Description description-text
Fine dust an	d pollutant filter f	or shredder s	systems				
Seen	Appl./Publ. No. EP13175200	Appl. No. 13175200	Publ. No. EP2687280	Applicant IMR Innovative Metal Recycling GmbH	Date of Change 2015-09-24	Reference ref1	Description This is a sample description

Imported applications in the monitored list.

Setting Register Alert Preferences

In Register Alert, you can modify the default table layout of your list of monitored applications and customise which email notifications you want to receive as well as how the information should be presented.

- → When logged in to Register Alert, go to the *Monitored applications* page.
- → To change your settings, click the **Preferences** button in the toolbar.

Monitored applications	
+ Add 🖉 Edit 🗙 Delete O Mark as seen ● Mark as unseen O Export 🕞 Import 🗜 Preferences	🔒 Print
Monitored applications 🔽 Search Find in current view Appl./Publ. No. 🔽 Search Res	et
Sort by Appl/Publ. No. Sort order descending Sort	

Setting Preferences for Register Alert.

There are five tabs for your personalised settings:

- 1. Table Settings
- 2. Notification
- 3. Monitoring Profiles
- 4. Grouping and Title
- 5. Import and Export

Preferences Table Settings	Notification	Monitoring Profiles	Grouping and Title	Import and Export
Items per page				
Available columns	Visible columns Seen Appl./Publ. No. Appli.Publ. No. → Publ. No. Applicant Date of Change Reference Description	↑ ↓		
Default sort order Appl./Publ. No. Ascending Descending				
				Don'i

Register Alert Preferences with default table settings.

Table settings

By default, the monitored list is sorted by the *Appl./Publ. No.* column in ascending order, i.e. the lower numbers appear at the top of the file list.

You can customise the table in the *Monitored applications* page and save the following settings as your personal preferences:

- items per page
- visible columns
- order of visible columns
- default sort order

Setting number of items per page

→ Select the number of items per page from the drop-down list.

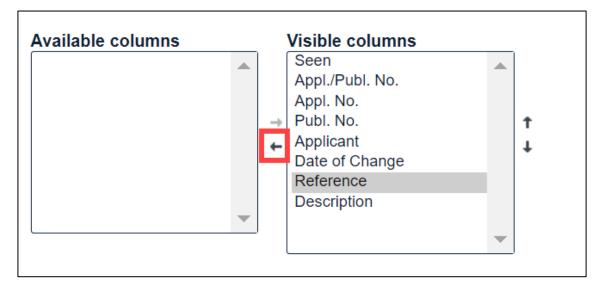
The available options are 10, 20, 30, 40 or 50 applications to be displayed on a page.

Preferences		
Table Settings	Notification	Monitoring Profiles
Items per page		
10	~	
10		
20		
30		
40	Visible columns	
50	Seen	
	Appl./Publ. No.	
	Appl. No.	
	- Publ No	*

Setting the number of applications to be displayed on a page.

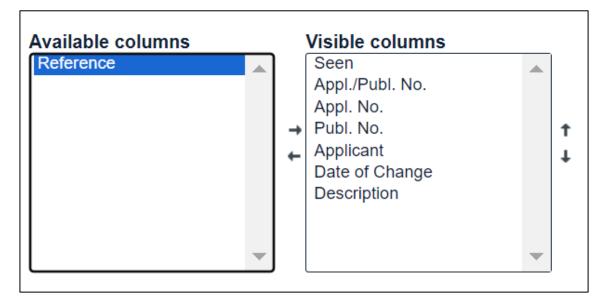
Removing columns from table

- → In the *Visible columns* box, select the column to be hidden.
- → Click the little black arrow pointing to the left.



Removing selected column from the table.

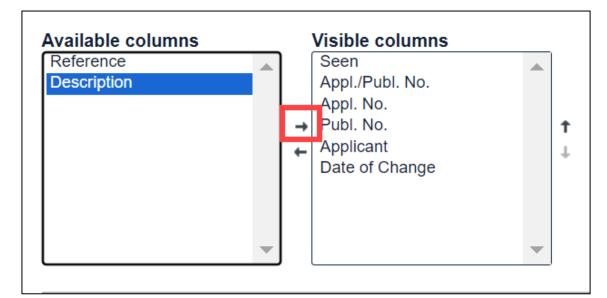
✓ The column is removed from the *Visible columns* box and appears in the *Available columns* box.



Column removed from the visible columns.

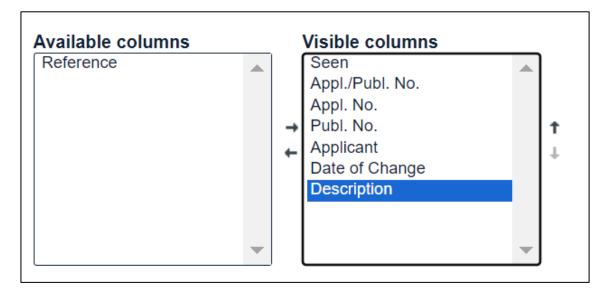
Adding columns to table

- → In the *Available columns* box, select the column to be displayed.
- → Click the little black arrow pointing to the right.



Adding a column to the monitored list.

✓ The column is removed from the *Available columns* box and appears in the *Visible columns* box.



Column added to the visible columns.

Changing horizontal order of columns

- → In the *Visible columns* box, select the column to be rearranged.
- \rightarrow To move the column up, click the little black arrow pointing upwards.

In the monitored list, this column will be moved to the left.

 \rightarrow To move the column down, click the little black arrow pointing downwards.

In the monitored list, this column will be moved to the right.

Reference	↑ ↓	Seen Appl./Publ. No. Appl. No. Publ. No. Applicant Date of Change Description	↑ ↓
			L

Changing order of columns in the monitored list.

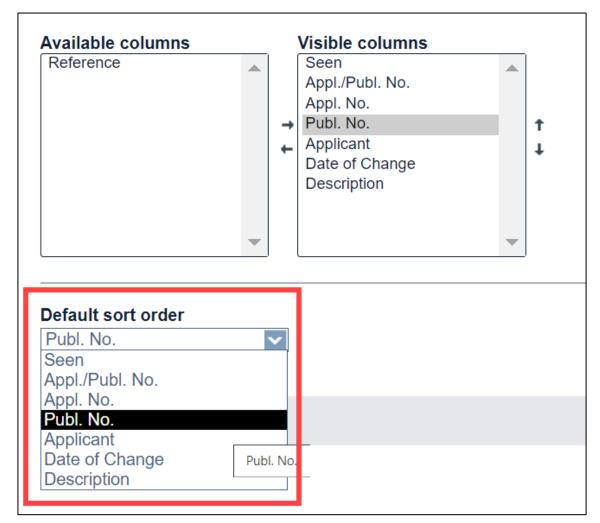
Selecting the default sort order

 \rightarrow From the drop-down list, select the column to be used as sort key.

Only the visible columns are available as sort criteria.

→ Select the sort order you wish to use: ascending (A-Z or 0-9) or descending (Z-A or 9-0).

You can always override these settings individually by sorting the list manually when viewing the *Monitored applications* page.



Selecting the default sort order column.

Applying the settings

- → To apply the new settings, click **Save**.
- → If you decide not to save your changes, click **Don't Save**.
 - ✓ The *Preferences* view closes and you are returned to the list of monitored applications which is now displayed in your new default settings.

Monito	red app	lica	tions											
+ Add	🥒 Edit	×	Delete	0	Mark as seen	•	Mark as unseen	⊖ Expo	ort	€ Import	ېر	Preferences	1 1	🔒 Print
Monitore	d applicatior	is 🗸	Search		Find in current v	iew	Appl./Publ. No.	~				Search	Reset	7
Sort by	Appl./Publ. I	No.	✓ Se	ort o	der descending	J	✓ Sort							

Viewing the list of monitored applications in the new settings.

Notification

Register Alert allows you to specify up to five email addresses to which notifications will be sent.

The first address is the email address assigned to your Register Alert account.

- → To receive the same notifications as e-mail address 1 under the additional email addresses, enter the relevant addresses into the fields e-mail address 2 to e-mail address 5.
- → Click Save.

Preferences				
Table Settings	Notification	Monitoring Profiles	Grouping and Title	Import and Export
✓e-mail notification: Your primary e-mail address	is AAlert@epo.org. This ad	dress can be set or modified l	by clicking on "Logged in as [x	.xxx]".
You can have e-mail notificat	ions sent to up to four addition	onal addresses. Each e-mail a	address will receive notification	ns.
e-mail address 1: AAlert@e	epo.org			
e-mail address 2	1			
nancy@alert.com				
e-mail address 3				
marion_muster@live.com				
e-mail address 4				
e-mail address 5				
			<u>D</u>	Save Save

Entering additional email addresses for Register Alert notifications.

Receiving emails from Register Alert

Next time an event occurs to one of your monitored applications, you will receive an email from <u>RegisterAlertautomatedMail@epo.org</u> to each of the specified addresses.

Emails sent via Register Alert are not encrypted.

<u>.</u>.....

If you do not receive any email notifications, you should check whether

- you have ticked the check box e-mail notification
- your selected profile monitors the event(s) you are expecting
- your personal spam filter is blocking emails sent by *RegisterAlertautomatedMail@epo.org*
- · a Register event has actually occurred

O) Pat Bat Off	opäisches entamt opean ent Office ice européen brevets						
European Patent Register - Monitored Applications							
Account name: Th	iomasMunster						
	mas Munster	To see the late	st Online Europear	pect of one or more items on the list of applications n Patent Register data for the application(s)			
MODIFIED ISOC	YANATE COM	POSITIONS A	ND METHODS OF	PREPARING THE SAME			
Appl./Publ. No.	Appl. No.	Reference	Date of change	Event			
EP13712078	13712078		2014-12-19	Publication in section I.1 EP Bulletin			
EP13712078	13712078		2014-12-19	Request for examination filed			
(The order in whic	h events occur	ring on the sam	ne date are listed ha	as no significance.)			
This e-mail alert is	s subject to the	EPO Online S	ervices legal notice	<u>85</u> .			
Please note that e-mails have no legal validity in proceedings under either the EPC or PCT. Read more under www.epo.org/service-support/contact-us/disclaimer							
Please do not reply to this automatically generated e-mail. Visit <u>www.epo.org/contact</u> for ways to contact us if you have any questions on this or any other subject.							
European Patent	Office						
www.epo.org							

Example of a Register Alert notification email.

Monitoring Profiles

If you are not interested to receive notifications for all Register events, you can choose the events you want to be informed about.

- \rightarrow From the drop-down menu, select which events should trigger an email alert.
 - → All entries (default)
 - ✓ You will receive an email notification each time there is a change to any of your monitored files.

ightarrow Substantial procedural actions

✓ This option allows you to select only specific events.

ightarrow Data published in the European Patent Bulletin

✓ You are only notified when an event is published in the European Patent Bulletin.

\rightarrow Unitary Patent events

- ✓ You will only be notified when events related to European patents with unitary effect occur.
- → Click Save.

Preferences				
Table Settings Choose a profile to define the	Notification events you would like to be	Monitoring Profiles	Grouping and Title	Import and Export
Profile: Data published in the Europea All events (All entries) Main events (Substantial proc Data published in the Europea Unitary Patent events List of events These events correspond to en available online <u>here</u> .	edural actions) In Patent Bulletin	d in the European Patent Bull	letin. The most recent issues	of this publication are
			Do	n't save Save

Selecting the monitoring profile for Register Alert notifications.

Selecting categories of substantial procedural actions

The events covered by this monitoring profile are those which have a legal effect on the status of a file.

The exceptions to this are:

- the Intention to grant communication, which is advance information intended to give interested parties time to prepare an opposition
- the events relating to search report publication, which are also informational in nature

If you select the option **Substantial procedural actions**, a list of events is displayed.

→ Select the actions you want to be informed about.

You must tick at least one of the check boxes in order to receive notifications.

Profile:
Main events (Substantial procedural actions)
List of events
These comprise those actions which have a substantial influence on the status of the European patent application, the European patent insofar as the EPO is competent and the Unitary Patent.
 ✓A-publication ✓Separate publication of search report ✓Grant of patent (B1 publication)
Patent maintained in amended form (B2 publication)
CLimitation of patent (B3 publication)
Withdrawal by applicant
Application deemed to be withdrawn
Refusal of application
Intention to grant a European patent
☑No notice of opposition filed within time limit ☑Filing of notice of opposition
Rejection of opposition
Revocation of patent in opposition proceedings
Revocation of patent by the patent proprietor
Closure of opposition proceedings Renewal fee paid
Clapse of patent in a contracting state
Unitary Patent
Check all Check none

Event categories under substantial procedural actions.

Viewing Register events in detail

- → To learn more about Register events, click the link events in the Monitoring Profiles page.
- ➔ To access the list of all events directly, go to the <u>Register Events</u> page. The Register Events page provides two tabs for event lists.
- Main Events (= Substantial procedural actions)

This list shows the substantial procedural actions that trigger European Patent Register and Unitary Patent events. To receive email notifications for these events, select **All entries** under **Preferences** in your Register Alert account. Click the **Main events (XML)** and **All events (XML)** links at the top of the page to download the EP and UP events in XML format.

• *All Events* (= All entries)

This list shows all events (including "main events") made public in the European Patent Register and the Unitary Patent Register.

Downloading the Register events list

- → To download a Register events list in XML format, click on the Main events (XML) or All events (XML) link at the top of the page.
 - ✓ The XML file contains the event names in English, German and French as well as the event codes.

Grouping and Title

Register Alert sends an email with Register information each time changes occur to your monitored applications. By default, all notifications are contained in one email which may become quite long, depending on the number of applications that you are monitoring.

You can specify how the notifications should be grouped and what the subject line should contain.

- → Select the grouping you require.
 - → Group all notifications into one e-mail (default).

Choose this option if you want to receive all your notifications together in one email.

 \rightarrow Group notifications for the same application into one e-mail.

Choose this option if you want to receive separate emails for individual applications.

Preferences				
Table Settings	Notification	Monitoring Profiles	Grouping and Title	Import and Export
Choose how e-mails are gro Group all notifications integroup notifications for the	o one e-mail	ne e-mail		
Choose the format of the e- The subject line is defined us OUse a predefined templat Use my own customised	sing a template, which is a	a mixture of text and values tha	at are substituted when the	e-mail is generated.
Register Alert notification of	changed applications			~
The selected format will proc Register Alert notification of c				
			Ξ	Don't save Save

Default settings for grouping and title of email notifications.

Customising the email subject line

The default subject line in Register Alert notification emails reads *Register Alert notification of changed applications*. You can customise the subject line to improve sorting and filtering in your email inbox.

- → To change the subject line, select the option Use my own customised template.
 - ✓ This opens a box from which you can select substitution values.
- → Click one of the substitution values to copy it into the field for the subject line.
- → Enter your own text as required.

The grey text below the field displays an example how your subject line will look like.

→ Click Save.

Preferences
Table Settings Notification Monitoring Profiles Grouping and Title Import and Export
Choose how e-mails are grouped:
Choose the format of the e-mail subject line: The subject line is defined using a template, which is a mixture of text and values that are substituted when the e-mail is generated.
OUse a predefined template ●Use my own customised template
Create your template in the entry field below. You can mix text and substitution values. Substitution values can be typed in or inserted at the cursor position from the list on the right. Your template should not contain substitution values that do not appear in this list, as they will not be translated. The available values are
determined by your choice of how e-mails are grouped.
Anna Associates[clientName]
The selected format will produce a subject line like this: Anna AssociatesJohannes Schmidt
Don't save Save

Creating a customised subject line for email notifications.

The list of available substitution values depends on the selected grouping option.

If you select *group notifications for the same application into one e-mail*, there will be more substitution values which are referring to the individual application.

Preferences	
Table Settings Notification Monitoring Profiles	Grouping and Title Import and Export
Choose how e-mails are grouped:	
 Group all notifications into one e-mail Group notifications for the same application into one e-mail 	
Choose the format of the e-mail subject line:	
The subject line is defined using a template, which is a mixture of text and values that a	re substituted when the e-mail is generated.
OUse a predefined template OUse my own customised template	
Register Alert notification of changed applications	▼
The selected format will produce a subject line like this: Register Alert notification of changed applications Create your template in the entry field below. You can mix text and substitution values. S cursor position from the list on the right.	Substitution values can be typed in or inserted at the
Your template should not contain substitution values that do not appear in this list, as the determined by your choice of how e-mails are grouped.	ey will not be translated. The available values are
[applicant] [appNumber] [clientName] [currentDate] [ipcClasses] [eventDate] [number]	
[reference]	
Alert notififications lipcClasses	
The selected format will produce a subject line like this: Alert notififications F02D41/34, F02D41/06	
	Don't save Save

Substitution values for subject line when notifications are grouped by application.

Import and Export

Register Alert can import and export CSV files that are using either commas or semicolons as delimiters. The default setting is comma. You can change this default in the *Import and Export* tab in *Preferences*.

- → To change the default delimiter to semicolon, select the option *semicolon*.
- → Click Save.

references				
Table Settings	Notification	Monitoring Profiles	Grouping and Title	Import and Export
hoose a delimiter:				
ne lists are to be exported ir)comma)semi-colon	n a CSV file using the follo	wing delimiter:		
			Don	<u>'t save</u> Save

Changing the delimiter for import and export of CSV files.

You can change these settings as required at any time, depending on the type of file you want to import or export.

Email alert

The email alert function is a European Patent Register service that allows you to monitor activity relating to patent application files (or "file wrappers").

The service is available in the *Global Dossier*, *EP* and *UP All documents* and *EP Patent family* views.

To subscribe

 \rightarrow click the email icon in the header of the page you are viewing.

In the Subscribe to email alerts window that appears

 \rightarrow enter your email address and select **OK**.

Subscribe to email alerts	
Dossier(s): EP2677812	
email@epo.org ×	
A confirmation email will be sent to the email address indicated \searrow	2
OK Cancel	

Pop-up window for entering the email address.

You will then receive an email asking you to confirm your subscription

 \rightarrow click the link indicated in the notification email.

Now when a change occurs in the dossier selected, you will retrieve an email alert.

To unsubscribe

→ click the link Unsubscribe to this automatically generated e-mail in the email notification.

Pointing to the email icon with the mouse opens a tooltip containing details of its function.

The email alert service is available as long as it is supported by the corresponding country or countries. If there are no documents that can be monitored, the email icon does not appear in the header.

Monitoring files wrappers in *EP and UP All documents* and *Global Dosser* view

In the *EP* and *UP All documents* and *Global Dossier* views you can use the service to trigger an email notification each time changes occur in an individual file.

Go to EP and UP All documents or Global Dossier view

 \rightarrow click the email icon in the header.



Email icon and tooltip in EP All documents view



Email icon and tooltip in **UP All documents** view



Email icon and tooltip in the Global Dossier view.

Monitoring file wrappers in EP Patent family view

In *EP Patent family* view, you can keep track of changes to the dossiers of the patent family members that are listed and that support the email alert service.

Pointing to the email icon in *EP Patent family* view opens a tooltip containing details of the alert function as well as a list of the family members that can be monitored if you subscribe to email alerts.

EP Patent far	mily: EP2677812	Family dossiers alerts:	N RSS	Email				
🖉 Refine search	↓ ST36 🛪 Espacenet	Submit observations	≣! F	Email: Subscribe to email alerts (about changes in family member dossiers)	Print			
Туре	E Equivalent			INPADOC family members: 5				
	Publication No.			Application numbers of family members that				
		Global Dossier		CN201210201139 CN2013077382W				
	Priority number			EP13172418 JP2013126531				
	CN201210201139			US201313918582				

Tooltip when pointing to the email icon in **EP Patent family** view.

Note: In *EP Patent family* view, it is not the changes to the list of family members that is monitored but activities in the file wrapper of the patent family members listed that support the service.

RSS feed

RSS feeds regularly check activities within a URL that you have subscribed to in your internet browser.

Once you have subscribed to an RSS feed, any download, update or change within the URL will trigger an alert.

In the European Patent Register you can use RSS feeds to monitor activities in the following views:

- Search results
- EP Patent family (for EP and CN dossiers only)
- EP All documents
- UP All documents
- Global Dossier (for EP and SIPO file inspection only)
- Maintenance news
- Newsflashes

To use the RSS feed in the Register click the familiar RSS feed icon that is generally positioned at the top of the page or section you are viewing. Your browser then easily guides you through the necessary steps to subscribe to the feed.

Microsoft Internet Explorer, for example, has a built-in RSS reader to manage your feeds.

The following images shows how to subscribe to an RSS feed for search results; the principle is the same for all areas of the Register that offer the RSS feed option:

Click the orange **RSS** icon next to the **Search results** heading.

Search results	2		
Refine search	RSS: Search result	nding 🔲 Out	🔒 Print
Sort by Application No. 10 000 items found, dis Search term(s): urd = y	playing 1 to 20.	nding 💟 Sort	 345678 ▶ ▶

RSS icon in the search results.

- ✓ The first 100 entries are displayed as an RSS page.
- → Click **Subscribe to this feed** in the yellow box on top of the list.

@ ©	🗖 🎫 Eu	iropean Patent Register 🛛 🗲	K 🕒 Europ	pean Patent Regist	er Search 🗙	+						-	D	×
$\leftarrow \rightarrow$	C Ŵ	https://register.epc	o.org/rssSear		%3D+yes&l			ជ	¢	ເ∕≡	(Ħ	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Þ
EP0 EPO - Hom	ne <mark>EP0</mark> Home	INTRANET 🦰 Data services	📁 Registe	r 📋 Academy	Products	📋 F	il d'Arian	e				Other fav	vorites	EPO
<u>European Pa</u>	atent Regist	ter Search results											-	
10,000 results found.	Only the first 100 m	esults are displayed. Search query: urd =	yes											+
MULTI-WAVE	LENGTH LASE	ER BEAM HOMOGENIZER-EX	PANDER LIG	HT ENGINE										
Appl No: EP22175968	Publ No: EP4286919	Applicant: Laserworld (Switzerland) AG	Request Date: 20240214	Registration Date: 20240219	Representativ Meyer zu Bext		ar		IPC: G02B27 G02B27		2B27/*	0;		
HANDGUN W	ITH BREECH	LOCKING MECHANISM												
Appl No: EP22171122	Publ No: EP4273493	Applicant: Hans Wrage & Co. GmbH	Request Date: 20240312	Registration Date: 20240322	Representativ Meyer, Ludger				IPC: F41A3/4	0; F410	03/00			
STACK PROT	ECTION													
Appl No: EP23153915	Publ No: EP4265101	Applicant: Nonas Oy	Request Date: 20240314	Registration Date: 20240325	Representativ Genip Oy	ve:			IPC: A01F25/	/13; B65	6G3/02	; E04G2	1/28	
POLYMERS														
Appl No: EP22812541	Publ No: EP4281504	Applicant: Biome Bioplastics Limited	Request Date: 20240216	Registration Date: 20240222	Representativ Snaith, James		el		IPC: C08L67/	04				
RINSING PRODUCT CARRIER														
Appl No: EP23162497	Publ No: EP4252730	Applicant: Miele & Cie, KG	Request	Registration	Representativ	ve:			IPC: A61G9/()2· A47I	15/00		-	ŝ

Viewing the search results as an RSS feed in Microsoft Edge.

You can save these search results as an RSS feed in your browser. You must consult your browser settings to set up the RSS feed according to your needs. It is also possible to set up a inbox to your email account to receive a notification of change when there are activities in the list.

The Register allows you to save the first 100 entries of a search results page to a new RSS feed. New entries will be added to the beginning of the feed. The corresponding number of entries at the end of the feed will be deleted if the maximum number of 100

is exceeded. However, depending on the browser you are using, the maximum number of entries in an RSS feed can be much higher than 100 entries.

Reference Topics

A reference topic lists functional information such as facts, options, variables and keys. The reference topic can also provide definition lists and examples. The title of the reference topic should be short and precise.

The GUI description can be considered as a special reference topic which is also function oriented. A GUI description explains what the user can see on the screen, what can be done in the application or which information can be found. These topics should be consistently named corresponding to the GUI elements to find information quickly.

Field identifiers in Smart search

Search terms are not case-sensitive if entered in combination with a field identifier. You can use both the short field identifier (2-3 characters) and the long field identifier listed in the table.

short	long	Search criterion	Example
in	inventor	inventor	in=smith
ра	applicant	EP applicant; EP/UP proprietor	pa=siemens
re	representative	EP/UP representative	re=vossius
ор	opponent	opponent	op=basf
ti	title	title	ti="mouse trap"
ар	application	EP/WO application number	ap=99203729 ap=ep99203729 ap=wo1998us04141
pn	publication	EP/WO publication number	pn=1000000 pn=ep1000000 pn=wo2014146025
pr	priority	priority number	pr=ep20050104792
fd	filing-date	filing date	fd=20010526
pd	publication- date	publication date	pd=200201
prd	priority-date	priority date	prd=19780707
grd	grant-date	date of grant	grd=201010
ic	classification	international classification	ic=a63b49/08 ic=b65
apl	appeal	appeal case number	apl=T0500 apl="T0500 11"

ia	inventor applicant	ia="smith, john"
nm	inventor, EP applicant, opponent, EP/UP representative, EP/UP proprietor	nm=sony
txt	title, inventor, opponent, EP applicant, EP/UP representative, EP/UP proprietor	txt=microscope
num	EP/WO application number EP/WO publication number priority number	num=1000000 num=ep1000000 num=wo2007117737
ufd	Unitary effect request date	ufd=2023
urd	Unitary effect registration date	urd=2023

Operators

Logical operators can be used in *Smart search* and *Advanced search*. The following table lists some examples. If the example does not indicate a field identifier, the operator works both in *Smart search* (together with an appropriate field identifier) and in *Advanced search*.

Туре	Operator	Example	Applicable in
Boolean	AND OR NOT	Siemens AND Nokia Siemens OR Nokia Siemens NOT Nokia	Advanced search (names, keywords) Smart search
Proximity	prox/distance prox/unit	coffee prox/distance<2 grinder coffee prox/unit=sentence grinder	Advanced search (names, keywords) Smart search
Comparison	= (equal to) all any	pa = siemens ti all "mouse trap rat" (equivalent to ti=mouse ti=trap ti=rat) ti any "mousetrap mausefalle souricière" (equivalent to ti=mousetrap or ti=mausefalle or ti=souricière)	Smart search

Range (Publication date only!)	within >= (greater than or equal to) <= (less than or	pd within "2005 2006" pd >= 2005 pd <= 2005	Smart search
	equal to)		

Date formats

The following date formats can be applied for the filing date, publication date, priority date and date of grant.

Date field	Format	Example
Publication date	уууу	2013
Filing date		
Priority date		
Date of grant		
Unitary effect request date		
Unitary effect registration date		
Publication date	yyyymm	201309
Filing date	yyyy-mm	2013-09
Priority date	mm/yyyy	09/2013
Date of grant	mm.yyyy	09.2013
Unitary effect request date		
Unitary effect registration date		
Publication date	yyyymmdd	20130904
Filing date	yyyy-mm-dd	2013-09-04
Priority date	dd/mm/yyyy	04/09/2013
Date of grant	dd.mm.yyyy	04.09.2013
Unitary effect request date		
Unitary effect registration date		

Date ranges for the publication date

There are alternative entry methods returning the same results. Date ranges can only be used for the publication date.

The emphasised examples in the table, i.e. those without field identifiers, work both in *Advanced search* and in *Smart search*.

Examples	Search results
2005:2007 pd=2005,2007 pd="2005 2007" pd="2005,2007" pd="2005, 2007" pd="2005:2007" pd within 2005,2007 pd within "2005, 2007" pd within "2005 2007"	Applications published in the years of 2005, 2006 and 2007
200501:200701 2005-01:2007-01 01.2005:01.2007 pd="200501:200701" pd="2005-01:2007-01" pd="01.2005:01.2007" pd="01/2005:01/2007"	Applications published from 1. January 2005 onwards up to 31. January 2007 Applications published later than January 2005
pd >2005-01 pd >01.2005 pd >01/2005	
20120101:20120315 01.01.2012:15.03.2012 pd within 20120101,20120315 pd within 2012-01-01,2012-03-15 pd within 01.01.2012,15.03.2012 pd within 01/01/2012,15/03/2012 pd >=20120101 AND pd <=20120315 pd >=2012-01-01 AND pd <=2012-03-15 pd >=01.01.2012 AND pd <=15.03.2012 pd >=01/01/2012 AND pd <=15/03/2012	Applications published from 1. January 2012 onwards up to 15. March 2012

Number formats

The following table lists the applicable number formats for publication numbers, application numbers, priority numbers and appeal case number.

Number type	Format	Example	Remark
EP publication number	EPnnnnnn nnnnnn	EP100000 0001000	Leading zeros are added automatically if less than seven digits are entered, e.g. <i>EP1000</i> will return <i>EP0001000</i> . If <i>EP</i> is omitted, the full number must be entered
PCT publication number	WOyynnnnn WOyynnnnnn WOyyyynnnnn	WO0133678 WO03060809 WO2014146025	From 1978 until 30 June 2002 1 July 2002 to 31 December 2003 Single format, used since 1 January 2004
EP application number	EPyynnnnn nnnnnnn nnnnnnn.n EPyyyynnnnnn	EP14405005 14405005 14405005.1 EP20140405005	<i>EP</i> can be omitted The full stop and check digit can be omitted The first zero after the year (5 th digit) can be omitted
PCT application number	WOyyyyCCnnnnn	WO1998US04141	
Priority number	CCyyyyynnnnnn	US20030423700	Original published formats like CCyynnnnn have been converted
Appeal case number	Annnn Annnn nn	T0500 T0500 14	Long format with space before the last two digits representing the year

IPC symbols

A full classification symbol defines an IPC subgroup and is made up of alphabetic and numeric characters in a specific pattern.

A63B49/02				
A	63	B	49	/02

Section	Class	Subclass	Main group	Subgroup
1 letter	2 digits	1 letter	1-3 digits	slash + (1-3 digits)

Placeholders

Placeholders are used for examples and formatting patterns for data entry.

Symbol	Replacement for	Type, usage	Example
уууу	Year, long	Date Publication number Application number Priority number	2013
уу	Year, short	Publication number Application number	01
mm	Month	Date	09
dd	Day	Date	04
CC	Country code	Application number Priority number	NL
n nnnnn	Digit	Publication number Application number Priority number	8 12345
A	Capital letter	Appeal case number	T0500

Wildcards

Wildcards are used in *Smart search* and *Advanced search* to truncate search terms. A wildcard symbol replaces other characters in a word.

Symbol	Replacement for	Example	Result
*	String of characters of any length	<i>caps</i> * equivalent to: <i>caps</i> plus 0 to n chars	caps, capsule, capsules, capsular, capsulated, capsulation, capsaicin, etc.

?	0 (zero) or 1	ca??	cap, car, can, cat, call, card, case,
	character	equivalent to:	caps, cars, cans, cats, etc.
		<i>ca</i> plus 0 to 2	
		chars	caps, capsule, capsules, capstones,
			capsids, capsulated, etc.
		caps?????	
		equivalent to:	
		<i>ca</i> plus 0 to 5	
		chars	
#	Exactly 1 character	ca ##	cast, card, case, call, care, cash,
		equivalent to:	cask, caps, etc.
		<i>ca</i> plus 2 chars	
			capsulated, capsinoid, capstones,
		caps#####	capsaicin, capsomers, etc.
		equivalent to:	
		<i>caps</i> plus 5	
		chars	

Kind codes

The standard for document kind codes is set by the World Intellectual Property Organization (WIPO).

The following list explains European and PCT international patent document kind codes. Patent documents are classified into three main categories.

EP-A documents

European patent applications, published 18 months after filing with the EPO or 18 months after the priority date

- A1 European patent application published with European search report
- A2 European patent application published without European search report (search report not available at publication date)
- A3 Separate publication of European search report
- A4 Supplementary search report
- A8 Corrected title page of A document (i.e. A1 or A2 document)
- A9 Complete reprint of A document (i.e. A1, A2 or A3 document)

EP-B documents

European patent specifications

B1 European patent specification (granted patent)

- B2 New European patent specification (amended specification after opposition procedure)
- B3 European patent specification (after limitation procedure)
- B8 Corrected title page of B document (i.e. B1 or B2 document)
- B9 Complete reprint of B document (i.e. B1 or B2 document)

WO-A documents

- A1 International application published with international search report
- A2 International application published without international search report or (from 1 January 2009 onwards) international application published with declaration under Article 17(2)(a)
- A3 Later publication of international search report with revised front page
- A4 Later publication of amended claims and/or statement (Art.19) (from 1 January 2009 onwards)

The granting authorities are responsible for deciding which code and which number a document carries. More details can be found on the WIPO website:

WIPO Standard ST.16: Recommended Standard Code for the Identification of Different Kinds of Patent Documents

Document category codes

The following list explains the categories for cited documents used in the Register.

- X particularly relevant if taken alone
- Y particularly relevant if combined with another document of the same category
- A document defining the state of the art and not prejudicing novelty or inventive step
- O non-written disclosure
- P intermediate document
- T theory or principle underlying the invention
- E earlier patent application, but published after the filing date of the application searched (potentially conflicting patent document)
- D document cited in the application
- L document cited for other reasons
- & member of the same patent family, corresponding document

Patent family codes

The following symbols are used in the *EP Patent family* view.

М	Patent family	This document is related to the one you are currently viewing
	member	by way of at least one priority – directly or via another
		document.
E	Equivalent	This document has exactly the same priorities as the one you
	application	are currently viewing.
Р	Earlier	This is the case if you are viewing the divisional application
	application	and can see the original application as a patent family
	(parent)	member.
D	Divisional	The application has been divided out of the one that you are
	application	currently looking at.

EPC contracting states

The current list of <u>Member states</u> of the European Patent Organisation can be found on the EPO website.

Country codes

The country codes (CC) used in the European Patent Register are made up of two letters indicating the country or organisation where the patent application was filed or granted (e.g. FR for France).

EPO specific country codes

- AP African Regional Industrial Property Organization
- EA Eurasian Patent Organisation
- EP European Patent Office
- OA African Intellectual Property Organization
- WO World Intellectual Property Organisation (WIPO)

International country codes

All other codes conform to the international two-letter country codes as published by the ISO in the <u>ISO 3166 standard</u>. You can also access the list <u>country codes and their</u> <u>officially assigned codes</u> via the Online Browsing Platform of ISO.

INPADOC data

For each event in the national patent grant procedure, the INPADOC database provides a date and a description plus information specific to the event. Event codes and descriptions vary from one national patent office to the other.

The following table lists data items in the INPADOC section of the *Legal status* page and provides some examples.

Data	Contents
Event date	Date on which the entry was published
Event description	Description of the entry, e.g. DESIGNATED CONTRACTING STATES, REFERENCE TO A NATIONAL CODE
Event code	Specific national event code, e.g. REG DE R079 60245524 DE
Code Expl.	Explanation from national patent office, e.g. AMENDMENT OF IPC MAIN CLASS
Owner name	Name of patent proprietor changed, e.g. in the event of transfer of rights
Representatives Name	Name of representative changed, e.g. new national representative has been appointed
Ref Country Code	Two-letter code of the contracting state affected by the entry
Kind Code of Ref Document	Document kind code, e.g. A1, B2
IPC Classification	Classification code of national patent office, e.g. H02J 3/18 20060101AFI20130312BHEP
Free Format Text	Explanation from the local patent office, e.g. PREVIOUS MAIN CLASS: H02J0003160000
Designated State(s)	Two-letter country codes of all designated states
Countries concerned	Two-letter country codes of all extension states
Effective DATE	Date as of which the change in legal status actually took effect
Payment DATE	Date of fee payment
Year of Payment	Year for which the fees have been paid

Register events

The complete list of procedural actions triggering a Register event are available on the <u>Register Events</u> webpage.

The event list is separated into Main events and All events.

All Events

The **All events** list applies when you select **All entries** under **Preferences** in your Register Alert account.

The All events list contains more than 400 entries and is sorted alphabetically.

Main Events

The main events list applies when you select **Substantial procedural actions** as your monitoring profile in Register Alert Preferences.

Group 1	A-publication
0009012	Publication in section I.1 EP Bulletin
0009199EPPU	Change or deletion - publication of A document
Group 2	Separate publication of search report
0008199SEPU	Change - publication of search report
0009013	Publication of search report
0009015	Publication of international search report
0009016	Supplementary search report
0009199SEPU	Change or deletion - publication of search report
Group 3	Grant of patent (B1 publication)
0009210	(Expected) grant
0009299EPPU	Change or deletion - publication of B1 document
Group 4	Patent maintained in amended form (B2 publication)
0009272	Patent maintained (B2 publication)
0009299PMAP	Change - publication of B2 document
0009399EPPU	Change or deletion - publication of B2 document
Group 5	Limitation of patent (B3 publication)
0009410	(Expected) limited patent specification
0009410 0009499EPPU	Change or deletion - publication of limited patent specification
0009499EPPU	Change or deletion - publication of limited patent specification
0009499EPPU Group 6	Change or deletion - publication of limited patent specification Withdrawal by applicant
0009499EPPU Group 6 0008199WDRA	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal
0009499EPPU Group 6 0008199WDRA 0009182	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Change - withdrawal Change - withdrawal
0009499EPPU Group 6 0008199WDRA 0009182 0009199WDRA	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Change - withdrawal Change - withdrawal Application deemed to be withdrawn
0009499EPPU Group 6 0008199WDRA 0009182 0009199WDRA 0009299WDRA	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Change or deletion - application deemed withdrawn
0009499EPPU Group 6 0008199WDRA 0009182 0009199WDRA 0009299WDRA Group 7	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Application deemed to be withdrawn Change or deletion - application deemed withdrawn Application deemed to be withdrawn
0009499EPPU Group 6 0008199WDRA 0009182 0009199WDRA 0009299WDRA Group 7 0008199ADWI	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Change or deletion - application deemed withdrawn Change or deletion - application deemed withdrawn Application deemed to be withdrawn Application deemed to be withdrawn
0009499EPPU Group 6 0008199WDRA 0009182 0009199WDRA 0009299WDRA Group 7 0008199ADWI 0009121 0009183 0009199ADWI	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Change or deletion - application deemed withdrawn Change or deletion - application deemed withdrawn Application deemed to be withdrawn Application deemed to be withdrawn Change or deletion - application deemed withdrawn Change or deletion - application deemed withdrawn
0009499EPPU Group 6 0008199WDRA 0009182 0009199WDRA 0009299WDRA Group 7 0008199ADWI 0009121 0009183	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Application deemed to be withdrawn Change or deletion - application deemed withdrawn Application deemed to be withdrawn Change or deletion - application deemed withdrawn
0009499EPPU Group 6 0008199WDRA 0009182 0009199WDRA 0009299WDRA Group 7 0008199ADWI 0009121 0009183 0009199ADWI	Change or deletion - publication of limited patent specification Withdrawal by applicant Change - withdrawal Withdrawal of application Change - withdrawal Change or deletion - application deemed withdrawn Change or deletion - application deemed withdrawn Application deemed to be withdrawn Application deemed to be withdrawn Change or deletion - application deemed withdrawn Change or deletion - application deemed withdrawn

0009181	Refusal of application
0009199REFU	Change - refusal
0009299REFU	Change - refusal
Group 9	Intention to grant a European patent
EPIDOSNIGR1	New entry: Communication of intention to grant a patent
EPIDOSNIGR1 EPIDOSCIGR1	Change: Communication of intention to grant a patent
EPIDOSDIGR1	Deletion: Communication of intention to grant a patent
Group 10	No notice of opposition filed within time limit
0009261	No opposition filed within time limit
0009299DELT	Change - no opposition filed
	Filing of notice of opposition
Group 11	
00082990PP0	Change - opposition filed
0009260	Opposition filed
0009264	Opposition withdrawn
0009274	Opposition deemed not to have been filed
00092990PPB	Opposition deemed not to have been filed
0009299OPPO	Change - opposition data/opponent's data or that of the opponent's representative
Group 12	Rejection of opposition
0009273	Opposition rejected
0009299REJO	Change - rejection of opposition
0009275	Opposition inadmissible
0009299OPPA	Opposition inadmissible
Group 13	Revocation of patent in opposition proceedings
0009271	Revocation of patent
0009299REVO	Change - revocation of patent
Group 14	Revocation of patent by the patent proprietor
0009220	Patent revoked on request of proprietor
Group 15	Closure of opposition proceedings
0009276	Opposition procedure terminated - date of legal effect published
0009299OPPC	Change - opposition procedure terminated
Group 16	Renewal fee paid
EPIDOSNRFE2	New entry: Renewal fee paid
EPIDOSCRFE2	Change: Renewal fee paid
EPIDOSDRFE2	Deletion: Renewal fee paid
Group 17	Deletion. Renewal lee paid
	Lapse of patent in a contracting state
0009250	
-	Lapse of patent in a contracting state
0009250	Lapse of patent in a contracting state Lapse of the patent in a contracting state
0009250 0009299LAPS	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state
0009250 0009299LAPS Group 18	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence
0009250 0009299LAPS Group 18 0008199LREG	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Licence
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19 0009702UREQ10	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent Request for unitary effect withdrawn
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19 0009702UREQ10 0009799UREQ10	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent Request for unitary effect withdrawn Change or deletion – Date of withdrawal of request for unitary effect
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19 0009702UREQ10 0009799UREQ10 0009701UREQ02	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent Request for unitary effect withdrawn Change or deletion – Date of withdrawal of request for unitary effect Decision on the request for unitary effect
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19 0009702UREQ10 0009799UREQ10 0009701UREQ02 0009799UREQ02	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent Request for unitary effect withdrawn Change or deletion – Date of withdrawal of request for unitary effect Decision on the request for unitary effect Change or deletion – Date of decision on the request for unitary effect
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19 0009702UREQ10 0009799UREQ10 0009701UREQ02 0009799UREQ02	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent Request for unitary effect withdrawn Change or deletion – Date of withdrawal of request for unitary effect Decision on the request for unitary effect Change or deletion – Date of decision on the request for unitary effect Filing of request for unitary effect
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19 0009702UREQ10 0009709UREQ10 0009799UREQ02 0009799UREQ01 0009709UREQ01 0009705LAPS22	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent Request for unitary effect withdrawn Change or deletion – Date of withdrawal of request for unitary effect Decision on the request for unitary effect Change or deletion – Date of decision on the request for unitary effect Filing of request for unitary effect Unitary Patent
0009250 0009299LAPS Group 18 0008199LREG 0009199LREG 0009341 Group 19 0009702UREQ10 0009709UREQ10 0009709UREQ02 0009799UREQ01 0009799UREQ01	Lapse of patent in a contracting state Lapse of the patent in a contracting state Change - lapse in a contracting state Licence Change - licence Change - licence Licence Unitary Patent Request for unitary effect withdrawn Change or deletion – Date of withdrawal of request for unitary effect Decision on the request for unitary effect Change or deletion – Date of decision on the request for unitary effect Filing of request for unitary effect Change: Date of filing of request for unitary request

0009799REES22	Change or deletion: Date of request for re-establishment of rights
0009704UDLA02	Renewal fees not paid: Unitary Patent Protection lapsed
0009799UDLA02	Change: Renewal fees not paid: Unitary Patent Protection lapsed
0009799UREG01	Change or deletion – Date of registration of Unitary Patent Protection

Federated Register statuses

The status of a patent in the various member states can be found in the **Federated Register** panel, in the **Status** column of the table overview. For Unitary Patent statuses, refer to chapter Data categories in UP About this file.

The information shown in this column is based on the content as provided by the national patent offices (NPOs) participating in the Federated Register service:

www.epo.org/searching-for-patents/legal/register/documentation/federated-register.html

Patent status	Description_
Formalities in progress	The procedure is still ongoing because the required formalities have not yet been completed.
Request for validation received	Validation of the EP patent has been requested at the relevant NPO.
Patent limited	The claims of the granted European patent have been amended and the patent has been limited.
Patent lapsed - still in grace period	The patent has lapsed but could still be reinstated as the grace period for late payment has not yet expired.
Patent maintained in amended form	The granted European patent that was originally refused during the opposition phase has now been granted following amendment, <i>e.g. revised claims</i> .
Patent revoked	The European patent was revoked during the opposition procedure. For a revoked patent, the following date fields (one or both) may be populated:

	 Invalidation date: date on which the decision to revoke the patent was taken. Not in force since: date as of which the rights conferred by the patent are no longer in force. It can be retroactive in some cases and earlier than the invalidation date. Note: If a patent has been revoked, it is considered not valid ab initio, meaning that it was never in force.
Patent revoked by	The European patent has been revoked by the applicant.
applicant	For a patent revoked by the applicant, the following date fields (one or both) may be populated:
	 Invalidation date: date on which the decision to revoke the patent was taken. Not in force since: date as of which the rights conferred by the patent are no longer in force. It can be retroactive in some cases and earlier than the invalidation date. Note: If a patent has been revoked, it is considered not valid ab <i>initio</i>, meaning it was never in force.
Patent lapsed	The patent has lapsed because the annual renewal fees have not been paid.
Patent expired	The patent has expired because the protection period came to an end (20th year).
	For an expired patent, the following date fields (one or both) may be populated:
	 Invalidation date: expiry date Not in force since: expiry date
Patent surrendered	This status is relevant for any stage during the opposition period.
	For a surrendered patent, the following date fields (one or both) may be populated:
	 Invalidation date: date on which the decision to surrender the patent was taken. Not in force since: date as of which the rights conferred by the patent are no longer in force. It can

	be retroactive in some cases and earlier than the invalidation date.
Request for EP validation pending	A request for validation of the EP patent has not been submitted but could still be filed as the time limit has not expired.
Patent validated	The granted European patent has been validated by the NPO. However, the status could still change to " <i>Patent not in force</i> " later.
	Note : A valid patent may be mapped to <i>"Patent validated"</i> and/or <i>"Patent in force"</i> . The difference between the two statuses lies in the granularity of the information that the NPO wishes to provide, i.e.:
	 Patent validated indicates the patent has been validated but may no longer be in force. Patent in force is relevant to patents that have been validated in a specific country and remain valid there.
Patent not validated	A country was listed as a designated contracting/extension/validation state but due to one or more incomplete formalities, e.g. failure to provide translations in time, the European patent is not considered valid there.
	Note 1 : A patent that has not been validated may be mapped to "Patent not validated" or "Patent not in force".
	 Patent not validated should be used if the patent was never validated in a particular designated state. Patent not in force indicates that the patent was indeed validated in a specific country but that at some point during its lifetime it ceased to be in force there.
	Note 2 : The data displayed in the Federated Register depends on how the NPO's patent register processes the data when it has not been validated in that country, i.e.:

	 The record for non-validated patents in the NPO register displays the status "Patent not validated" and the corresponding deep-linking feature points to a record in the NPO register that indicates that the patent has not been validated in that country. The NPO register does not provide a record for non-validated patents and the FRS table displays the message "No data provided by the national patent office for this patent". The corresponding deep-linking feature points to an empty record in the NPO register.
Patent in force	A patent was validated and is still valid.
	Note : A valid patent may be mapped to both <i>"Patent validated"</i> and <i>"Patent in force"</i> . The difference between the two statuses lies in the granularity of the information provided by the NPO, i.e.:
	 Patent validated indicates that the patent has been validated by a specific NPO but may later cease to be in force.
	 Patent in force has a wider coverage and refers to the status of the patent that has been validated in a specific country and remains valid there.
Patent not in force	The patent was validated in a country but at some point ceased to be in force. There may be various reasons for this, e.g. results of an opposition procedure, expiry.
	Note : " <i>Patent not in force</i> " status can be used to map any of the following events: patent revoked, patent revoked by applicant, patent lapsed, patent expired, patent surrendered.
Appeal filed	Decisions to refuse a patent are appealed through the boards of appeal in one of the following procedures before the EPO: grant, opposition, limitation and revocation.
Nullity requested	A request for nullity due to lack of novelty, inventive step, etc. may be requested for a patent after grant or during the opposition phase.
Unknown	This status may be used if the current status of the patent is not known.

Note: The status is generic, so it should be used only for cases where no other status is available.

Field help

Publication number

Number assigned to a patent application on publication.

EP publication numbers are made up of the two-letter *EP* country code and a seven-digit serial number, e.g. *EP1883031*.

PCT publication numbers using the single format *WOyyyynnnnnn* are made up of the two-letter *WO* country code, the four-digit year and a six-digit serial number, e.g. *WO2014146025*.

Application number

Number assigned to a patent application when it is filed.

EP application numbers are made up of the two-letter *EP* country code and an eight-digit serial number. e.g. *EP10755253*.

PCT application numbers consist of the country code *WO* followed by the four-digit year of filing, the two-letter country code of the country where the application was filed and a five-digit serial number adding up to a fixed length of 13 characters, e.g. *WO1998US04141*.

Filing date

Date on which the application documents are received at the EPO.

The filing date can be entered as day, month or year in different formats (yyyymmdd, yyyy-mm-dd, dd/mm/yyyy or dd.mm.yyyy). e.g. **20070919**.

Date of grant

Date on which the patent application was granted.

The date of grant can be entered as day, month or year in different formats (yyyymmdd, yyyy-mm-dd, dd/mm/yyyy or dd.mm.yyyy). e.g. **20070919**.

Enter your search terms

Up to 20 search terms in total and a maximum of ten terms per searchable bibliographic data can be entered.

Search terms can be entered with or without field identifiers and should be separated by a space or operator.

Priority number

Number of the application in respect of which priority is claimed, i.e. the application number of the claimed priority document.

The priority number is made up of a two-letter country code, the fourdigit year of filing and a serial number (variable, max. seven digits), e.g. *JP20090163983*.

Publication date

Date on which the patent application was first published.

The publication date can be entered as day, month or year in different formats (yyyymmdd, yyyy-mm-dd, dd/mm/yyyy or dd.mm.yyyy). e.g. **20070919**.

Priority date

Date of filing of an earlier application for which priority is claimed (in accordance with Article 87 EPC).

The priority date can be entered as day, month or year in different formats (yyyymmdd, yyyy-mm-dd, dd/mm/yyyy or dd.mm.yyyy). e.g. **20070919**.

Unitary effect request date

Date of filing of a request for unitary effect.

The unitary effect request date can be entered as day, month or year in different formats (yyyymmdd, yyyy-mm-dd, dd/mm/yyyy or dd.mm.yyyy). e.g. *20230713*.

Unitary effect registration date

Date of registration of unitary effect.

The unitary effect registration date can be entered as day, month or year in different formats (yyyymmdd, yyyy-mm-dd, dd/mm/yyyy or dd.mm.yyyy). e.g. *20230713*.

Applicant

Person or organisation who/which has filed a patent application.

For applicants who are persons, enter the last name followed by the first name.

The applicant may also be the inventor. There may be more than one applicant per application.

Proprietor

Person or organisation that is the owner of a European patent and European patent with unitary effect.

For proprietors who are persons, enter the last name followed by the first name.

Inventor

Person named in a patent application as the inventor.

Enter the last name followed by the first name.

The inventor can be the same person as the applicant. There may be more than one inventor.

Representative

Person or organisation who/which acts on the behalf of the applicant in proceedings before the EPO.

For representatives who are persons, enter the last name followed by the first name.

There may be more than one representative per application.

Opponent

Person or organisation who/which files a notice of opposition to the patent with the EPO.

Anyone except for the proprietor may file a notice of opposition to a European patent up to nine months after publication of the grant.

For opponents who are persons, enter the last name followed by the first name.

There may be more than one opponent per application.

International Patent Classification (IPC)

IPC symbols are entered using the classification pattern, e.g. A63B49/o2

A 63 B 49 /02 consists of

Section: 1 letter

Class: 2 digits

Subclass: 1 letter

Main group: 1-3 digits

Subgroup: forward slash + 1-3 digits

There may be more than one classification symbol per application.

Keyword(s) in title

Short and concise text describing the contents of the application.

The title will be displayed in the language of the interface you are currently using.

Within the title field, you can search in English, French or German for anything between one and ten words.

Appeal Case number

Number assigned to a patent application when it enters the appeal procedure.

The appeal case number is made up of a letter for the type of decision, a four-digit sequential number and two digits for the year, e.g. *To500 13*.

Tooltips

Most recent event

The date of the *Most recent event* indicated here reflects the date on which the action was processed by the EPO's system, so it may differ from the effective legal/filing date of the event concerned.

For the effective date, refer to the information under *EP/UP Legal status* or *EP/UP AII documents*.

INPADOC data

Information on events during the lifetime of an EP patent application generated during both the EPO patent grant procedure, the unitary patent protection procedure and the post-grant phase.

Date

The date of the event indicated here reflects the date on which the action was processed by the EPO's system, so it may differ from the effective legal/filing date of the event concerned.

Lapses during opposition

Date of lapse of the European patent in a contracting state during the opposition period, and, where appropriate, pending a final decision on opposition (Rule 143.1(p) EPC).

Parent application(s)

If the parent application is itself a divisional application, this section also includes the earlier application(s) in a direct line.