SciFinder® Training
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Search Patents or Risk Missing Important Research

Patent Content in SciFinder®



SciFinder supports your research needs with preliminary patentability searching and patent analysis

This presentation describes

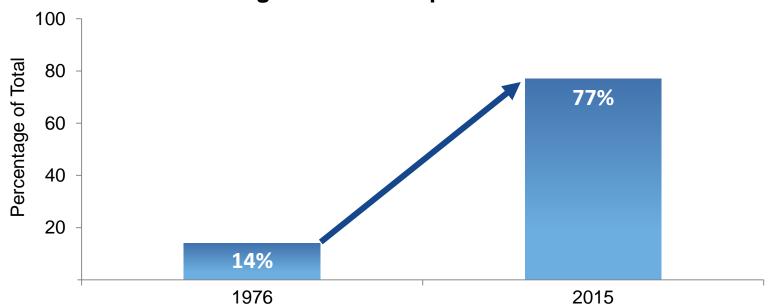
- Why patents matter for your research
- What patent content coverage is available in SciFinder
- How to understand a Patent Information table
 - Priority applications
 - Basic patents and "double basics"
 - Kind codes
- What a patent family is—and why it matters to you

Patenting law is complex and the rules vary from one country to another. For thorough patentability searches, consult a patent attorney, information professional or Science IP®, the CAS search service.



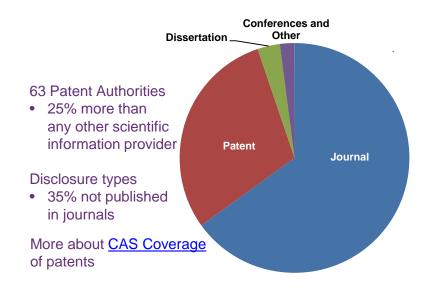
Increasingly, new compounds and novel reactions in the literature are <u>first disclosed in patents</u>

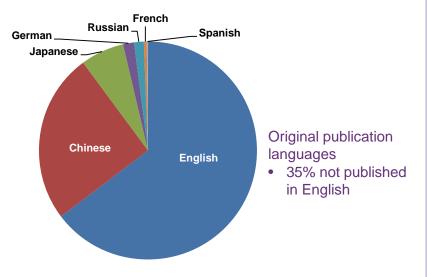
Percentage of New Compounds from Patents





CAS informs your research by providing comprehensive coverage of science including 63 patenting authorities





Data as of 11/2016



Patent publications from 9 major patenting authorities are added to SciFinder within 2 days of being issued (no one is faster!)

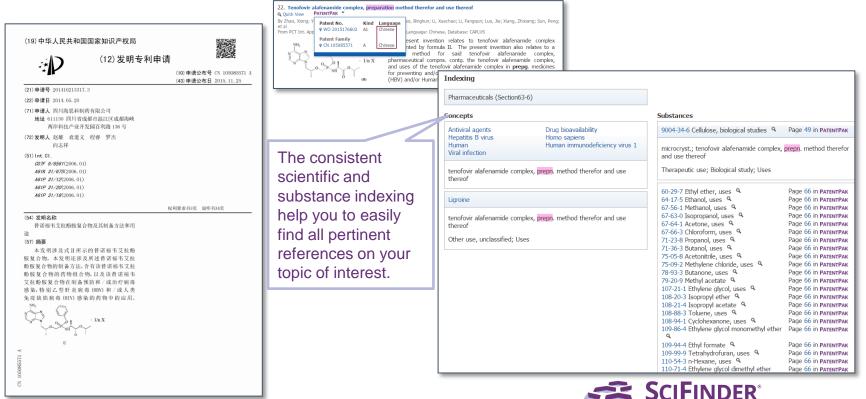


- Canadian Intellectual Property Office (CIPO)
- European Patent Office (EPO)
- French Patent Office (INPI -Institut National de la Propriete Industrielle)
- German Patent Office (DPMA)
- Japanese Patent Office (JPO)
- Russian Patent Office (ROSPATENT - Russian Agency for Patents and Trademarks)
- United Kingdom Intellectual Property Office (UK-IPO)
- United States Patent and Trademark Office (USPTO)
- World Intellectual Property Organization (WIPO)



^{*}Patents are selected from over 35,000 International Patent Classification (IPC) codes and 99 U.S. National Patent Classification Codes.

Patent documents are written in many languages; use the English abstracts and scientific indexing to easily find what you need



CAS analysts save you time by identifying patent families from around the world

- A patent family is a set of patents that describe the same invention
 - It is a convenient way to summarize the worldwide patent protection sought by an applicant for the same invention
 - These publications cite common date(s) and priority application number(s)
 - The patents in a family are often written in various languages so that you can select the language of your choice

Patent No.	Kind	Language	Date	Application No.	Date
WO 2012030170 • PATENTPAK	A2		Mar 8, 2012	WO 2011-KR6474	Aug 31, 2011
WO 2012030170 PATENTPAK	A3	Korean	Jun 28, 2012		
CN 103153999 🖹 PATENTPAK	Α	Chinese	Jun 12, 2013	CN 2011-80049022	Aug 31, 2011
CN 103153999	В		Jun 1, 2016		
EP 2617723 ■ PATENTPAK	A2	English	Jul 24, 2013	EP 2011-822145	Aug 31, 201:
KR 2013099930 ■ PATENTPAK	Α	Korean	Sep 6, 2013	KR 2013-7005744	Aug 31, 201:
JP 2013536836 🖹 PATENTPAK	T	Japanese	Sep 26, 2013	JP 2013-527016	Aug 31, 201:
JP 5859544 ▶ PATENTPAK	B2	Japanese	Feb 10, 2016		
IN 2013CN01476	Α		Aug 31, 2016	IN 2013-CN1476	Feb 22, 2013
US 20130158025 ₽ PATENTPAK	A1	English	Jun 20, 2013	US 2013-13819601	Feb 27, 2013
US 8975264 ▶ PATENTPAK	B2	English	Mar 10, 2015		
Priority Application					
KR 2010-85042	4		Aug 31, 2010		
WO 2011-KR6474 V	V		Aug 31, 2011		

This patent information table is associated with the patent publication titled, "Preparation of pyrazolo[1,5-a]pyrimidine compounds as cannabinoid receptor-1 inhibitors."



The Patent Information (PI) Table provides you with a convenient summary of the publications for an invention

Patent No.	Kind	Language	Date	Application No.	Date
WO 2014064046 ○ PATENTPAK	A1		May 1, 2014	WO 2013-EP71961	Oct 21, 2013
EP 2722669 Q PATENTPAK	A1	German	Apr 23, 2014	EP 2012-189463	Oct 22, 2012
CA 2889066	A1		May 1, 2014	CA 2013-2889066	Oct 21, 2013
AU 2013336795	A1		May 7, 2015	AU 2013-336795	Oct 21, 2013
EP 2909633	A1		Aug 26, 2015	EP 2013-780125	Oct 21, 2013
US 20150268257 PATENTPAK	A1	English	Sep 24, 2015	US 2015-14436952	Apr 20, 2015
Priority Application					
EP 2012-189463 A			Oct 22, 2012		
WO 2013-EP71961 W			Oct 21, 2013		

This patent information table is associated with the patent publication titled, "Method and device for detecting illegal drugs."

- The Patent No. section identifies the patent number for each patenting authority as well as the publication stage which is represented by a Kind Code
 - Identify kind codes at: https://www.cas.org/content/references/patkind
 - The Application No. section identifies the application numbers
- The Priority Application section identifies the first application(s) filed



A <u>basic</u> patent document is the document indexed by CAS Analysts; it is usually a published application

- WIPO (WO) allows an inventor to file a single patent application that protects an invention in many countries
 - WIPO does not grant patents
 - To proceed with patenting, the inventor progresses to the national phase and applies for a patent in specific member countries
- The WIPO application and the first national phase publication are often both treated as basics—which is the definition for "double basics"
 - If more than one national phase publication is filed on the same day, then a patent can have multiple basics

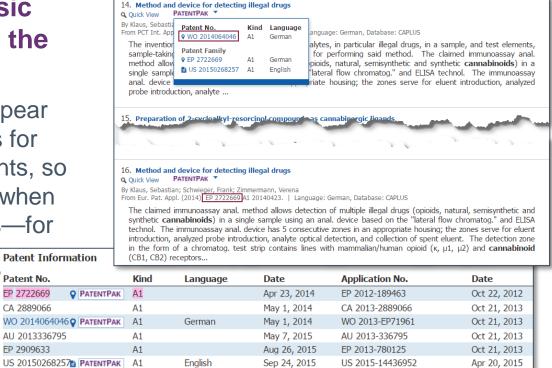


Double and multiple basic patents frequently have the same title

 Identical titles can also appear for other reasons, such as for continuation-in-parts patents, so review the PI Table—and when needed the actual patents—for details

 This PI Table is for the family shown on slide 8, but this table is associated with the EP patent application.

 These two documents share Priority Application numbers and are therefore double basics.



Oct 22, 2012

Oct 21, 2013



Α

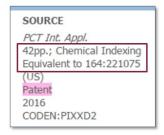
Priority Application

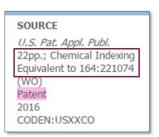
EP 2012-189463

WO 2013-EP71961

Since the content of patent family documents may vary—including what appears in the claims*—look for "Chemical Indexing Equivalent" to save time when reviewing patent documents

- When the claims are identical, CAS analysts apply the identical substance indexing to the patents
 - CAS analysts also identify them as Chemical Indexing Equivalents in the Reference Detail





 The number, for example 164:221075, is a unique document identifier that is searchable in SciFinder

^{*}The written patent can vary for several reasons such as the legal requirements in a country.



Patent families range from simple to complex

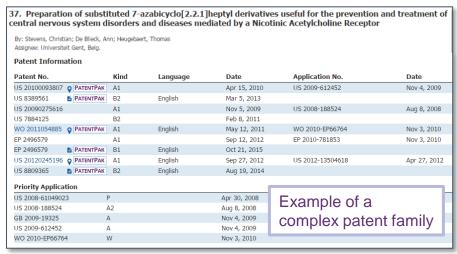
 Simple patent families—as shown on the previous pages—have common priority application number(s)

Complex (or extended) patent families are often related to more than one

priority application

 To understand complex patent families, consider seeking assistance from a patent professional

- The inverted tear drop () indicates the basic patents in this family
 - PatentPakTM subscribers* can open the basic patents in the Viewer



^{*}For more information about how PatentPak can save you time, visit our website.



Be sure to include patents in your SciFinder searches since important research information is often first disclosed in patents

- The extensive patent coverage in SciFinder is an asset to your research
- English abstracts and indexing make it easy to find all documents relevant to your research
- The concise Patent Information table provides an easy to understand summary about patent family documents

Patenting law is complex and the rules vary from one country to another. For thorough patentability searches, consult a patent attorney, information professional or Science IP®, the CAS search service.



The experts in the CAS Customer Center can answer questions and provide quality support in a variety of areas and subjects

How do I find patents
about renewable
energy from solid
oxide fuel cells

How do I find the latest developments in peptide therapeutics

?

How can I
verify that
my drug lead
is not under
patent already

?



We do more than just answer questions – we're your partner in advancing your research.

