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 first disclosed in patents.
CAS informs your research by providing comprehensive coverage of science including 63 patenting authorities.

63 Patent Authorities
• 25% more than any other scientific information provider

Disclosure types
• 35% not published in journals

More about CAS Coverage of patents

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 Propriété 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

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.

- 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](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.

This patent information table is associated with the patent publication titled, “Method and device for detecting illegal drugs.”
A basic 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.
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
  - PatentPak™ 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.