

美国专利商标局专利检索介绍

国家知识产权局专利局

专利文献部

李鹏

美国专利商标局

- 网址: <http://www.uspto.gov/>
- 美国专利商标局网站是美国专利商标局建立的政府性官方网站, 该网站向公众提供全方位的专利信息服务, 其中除了提供专利数据库检索服务外, 还提供丰富的其它相关信息, 如专利概述、专利申请、文献公布程序、US专利分类体系等;
- 数据库内容**每周**更新一次。

文献类型识别代码	文献类型	说明
A1	专利申请公开	授权前公开
A2	专利申请公开（再公开）	授权前公开
A9	专利申请公开（修正）	授权前公开
B1	专利	授权前未曾公开
B2	专利	授权前曾公开
C1, C2, C3	再审查证书	原来使用的代码B1、B2现用于授权专利
E	再版专利	无变化
H	依法登记的发明	无变化
P1	植物专利申请公开	授权前公开
P2	植物专利	授权前未曾公开
P3	植物专利	授权前曾公开
P4	植物专利申请公开（再公开）	授权前公开
P9	植物专利申请公开（修正）	授权前公开
S	设计专利	无变化

美国专利类型介绍

- 专利类型

发明专利 (Utility)

设计专利 (Design)

植物专利 (Plant)

再公告专利 (Reissue)

再审查证书 (Reexamination Certification)

防卫性公告 (Defensive)

依法注册的发明 (SIR)

美国专利文献介绍

- 美国专利文献编号特点:
- 申请号为多年循环序号, 如: US 06/463217。
- 自2001年出版的专利申请说明书公开号按年编排, 如: US 2001/0000001 A1
- 其它专利文献号按各自流水号系列顺排。

美国专利数据库

- 专利授权数据库
- 专利申请公布数据库
- 扩展专利信息检索数据库
- 专利公报数据库
- 专利分类表数据库
- 专利基因序列数据库
- 外观专利数据检索

Issued Patents (PatFT)

(full-text since 1976, full-page images since 1790)

- Quick Search
- Advanced Search
- Patent Number Search
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How to View Patent Images
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- Database Contents
- Help Files

专利授权数据库

Published Applications (AppFT)

(published since 15 March 2001)

- Quick Search
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How to View Published Application Images
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专利申请公布数据库

Inform

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专利申请状态数据库

专利转让数据库

专利基因序列数据库

Related USPTO Services

- Tools to Help in Searching by Patent Classification
- Patent Application Information Retrieval (PAIR)
- Patent Assignment Database
- Downloadable Published Sequence Listings



专利公报数据库

1、最近52期专利公报

2、最近10年专利公报通知

延长专利保护期数据库

专利撤回数据库

一、专利授权数据库

- 检索方式:
- quick search(快速检索)
advanced search(高级检索)
patent number search(专利号检索)

一、专利授权数据库

收录范围		
专利文献种类	1790年~1975年	1976年~现在
实用专利或授权专利	AI2~AI318 X1~X11,280 1~3,930,270	3,930,271~
设计专利	D1~D242,880	D242,583~
植物专利	PP1~PP4,000	PP3,987~
再公告专利	RX1~RX125 RE1~RE29,094	RE28,671~
防卫性公告	T885,019~T941,025	T942,001~T999,003 T100,001~
依法注册的发明		H1~

一、专利授权数据库

- 可供用户从专利号、美国专利分类号、授权公布日三个检索入口检索1790 - 1975年的各种美国授权专利文献，此阶段的专利文献为全文图象页（full-image）
- 可供用户从31种检索入口检索1976年以来的各种美国授权专利文献，包括全文图象页、专利的基本著录项目以及专利文本（full-text）

一、专利授权数据库

- **快速检索**

- 主要检索字段：名称、文摘、权利要求、说明书、其它参考文献、国际专利分类号、美国专利分类号等；
- 检索窗口内最多输入256个字符；
- 右截断检索：截词符“\$”；
- 短语检索：laser printer或者是“laser printer”
注意：在高级检索中如果要进行短语的检索需要使用引号把检索内容放在引号内，并且引号中不能用\$
- 截词符\$ (right truncation) 选定某输入框时\$前至少有3个字符，选all fields时\$前至少有4个字符；
- 逻辑组配符：“and”与，“or”或，“andnot”非。

- Abstract
- Issue Date
- Patent Number
- Application Date
- Application Serial Number
- Application Type
- Assignee Name
- Assignee City
- Assignee State
- Assignee Country
- International Classification
- Current US Classification
- Primary Examiner
- Assistant Examiner
- Inventor Name
- Inventor City
- Inventor State
- Inventor Country
- Government Interest
- Attorney or Agent
- PCT Information
- Foreign Priority
- Reissue Data
- Related US App. Data
- Referenced By
- Foreign References
- Other References
- Claim(s)

USPTO PATENT

Home

Data

Form 1: in Field 1:
AND
Form 2: in Field 2:
Select years [Help]
1790 to present [full-text]

SEARCH DATABASE

Home Help

7, 2006.

重置

Patents from 1790 through 1975 are searchable only by Issue Date, Patent Number, and Current US Classification. When searching for specific numbers in the Patent Number field, patent numbers must be seven characters in length, excluding commas, which are optional.

一、专利授权数据库

- 日期型:
- Issue Date、Application Date、Foreign Priority
- 多种输入格式: 20030403, 4-3-2003, 4/3/2003, Apr-3-2003; Apr/3/2003; April/3/2003等;
日期范围的检索: 20030327->20030403; 同样在日期型字段的检索当中也可以使用\$截词符。
- 举例: 检索2001年1月授权公开的专利, 日期中可用1个\$, 如1/\$/2001; 也可以20010101-> 20010131

一、专利授权数据库

- 代码型:

Application Type和Patent Number中申请种类情况:

- Utility-CCCCCC, 1, 如: 5,146,634 ;
- Reissue-RE, 2 , 如: RE35,312 ;
- Design-D, 4, 如: D339,456;
- Defensive Publication-T, 5, 如: T109,201;
- Plant-PP, 6 , 如: PP8,901;
- SIR-H, 7, 如: H1,523。

一、专利授权数据库

- Parent case information: 08/583814;
401266 (申请号); 4539149 (专利号) (高级)
- PCT information:
PCT/FR98/02497 (PCT申请号);
W088/07602 (PCT公开号)
- International Classification情况:
G06F 19/00输入G06F019/00
- Current U.S. Classification情况:
Class/subclass : 2/5, 128/848, 427/\$
- Inventor Country情况:
GB, CN, FR

一、专利授权数据库

- 文本型:
- Title、Abstract、Assignee Name、Inventor Name
- 词组检索时用引号“car body”或者不用都可以
- 人名输入格式: 如John E. Doe可输入
Doe-John-E; Doe-\$; Doe-J\$; Doe-John\$;
检索David j, 可以输入David\$
- 公司或单位输入格式: “General Motors”
- 审查员输入格式: Malos-Jennifer-\$
- 权利要求、名称: sugar; “artificial sugar” ;
(needle or syringe) andnot (sew\$ or thread)

一、专利授权数据库

- 高级检索
- 检索入口有专利号、授权公布日、名称、文摘、权利要求、美国分类号等等。
- 进行短语检索时注意必须要使用“”号。
- 在输入窗口内可以进行较长的逻辑运算式的检索。

一、专利授权数据库

- 号码检索
- 采用专利号码检索时，允许输入一个或多个专利号；输入多个专利号时，各专利号之间可使用空格，也可用逻辑运算符“OR”隔开；专利号中间的逗号存在或缺省均可。

一、专利授权数据库

- 检索结果输出:

- (1) 列表式浏览

- 最新公布的排在前，一次只能显示50条记录，专利号前‘T’表示该文献有专利全文文本 (full-text)

- (2) full-text浏览 (下载用复制/粘贴)

- (3) 说明书浏览 (用tiff浏览器，只能单页下载)

二、专利申请公布数据库

- 设置3种检索方式：
 - quick search (快速检索)
 - advanced search (高级检索)
 - publication number search (申请公布号检索)。

二、专利申请公布数据库

- 快速检索(布尔检索)
- 可供用户从25种检索入口检索并浏览2001年3月15日以来的美国专利申请公布文献；其内容包括可检索的美国专利申请公布的基本著录项目、文摘和全文数据，以及公布的美国专利申请说明书的全部图像页；专利申请公布说明书的起始号为20010000001；

二、专利申请公布数据库

- 高级检索(手工检索)
- 可供用户从24种检索入口检索并浏览2001年3月15日以来的美国专利申请公布文献；其内容包括可检索的美国专利申请公布的基本著录项目、文摘和全文数据，以及公布的美国专利申请说明书的全部图像页；专利申请公布说明书的起始号为20010000001；

二、专利申请公布数据库

- 与专利授权数据库检索字段的区别

授权专利数据库较申请公布数据库多出的检索字段是：

- Primary examiner
- Assistant examiner
- Attorney or agent
- Reissue data
- Related US app. Data
- Referenced by
- Other references

二、专利申请公布数据库

- 号码检索

与专利授权数据库的号码检索输入方式是一致的。

三、扩展专利信息检索数据库 (法律状态等信息检索)

- 专利申请状态数据库 (PAIR)
- 专利转让数据库
- 专利撤回数据库
- 延长专利保护期数据库

三、扩展专利信息检索数据库

- 可供用户做以下检索：
 - 1、通过查找专利交费情况确定专利是否提前失效；
 - 2、通过查找专利继续数据看是否有继续申请、部分继续申请、分案申请等相关联的情报；
 - 3、通过查找撤回的专利确定专利是否在授权的同时被撤回；
 - 4、通过查找专利保护期延长的具体时间确定专利的最终失效日期。

- 专利检索要达到的目的:

 - 确定专利是否已经失效

 - 推断专利将在何时失效

 - 收集与专利相关的信息（包括继续数据，专利权的转让等）

- 推断期限的一般依据:

 - 1995年6月8日以前申请并授权的专利期限为——自专利授权日起17年； 1995年6月8日以后申请并授权的专利期限为——自专利申请日起20年。

三、扩展专利信息检索数据库

- 专利申请状态数据库 (PAIR)

本数据库收录至最新公布日所有公布的授权专利的数据。



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 - [Report Errors in Data Content](#)
 - [Issued Patents and Published Applications in US Classification](#)
- 705/36T

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You have reached the Public PAIR access site

Select Search Method: **Enter Number:**

Application Number	6469012	SUBMIT
Application Number		
Control Number		
Patent Number		
Publication Number		

If you need help:

- Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail EBC@uspto.gov for specific questions about Patent Application Information Retrieval (PAIR).
- Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.

Select Search
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08/549,792

PYRAZOLOPYRIMIDINONES FOR THE TREATMENT OF IMPOTENCE



Application Data | Transaction History | Image File Wrapper | Patent Term Extension History | Continuity Data | Foreign Priority | Published Documents | Fees | Address & Attorney/Agent

Retrieve Fee Payment Information or Access On-line Payment Window

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**United States
Patent and
Trademark Office**

Maintenance Fee Statement

06/25/2006 09:27 PM EDT

Patent Number: 6469012

Customer Number: 23416

CONNOLLY BOVE LODGE & HUTZ, LLP
P O BOX 2207
WILMINGTON DE 19899

The data shown below is from the records of the U.S. Patent and Trademark Office. If the maintenance fee and any necessary surcharge have been timely paid for the patent listed below, the notation "PAID" will appear in the "STAT" column.

If the statement of small entity status is defective the reason will be indicated below in the "Small Entity" status column. THE STATEMENT OF SMALL ENTITY STATUS WILL BE ENTERED UPON RECEIPT OF ACCEPTABLE CORRECTION.

PATENT NUMBER	FEE AMT	SUR-CHARGE	U.S. PATENT APPLICATION NUMBER	ISSUE DATE	APPL. FILING DATE	PAYMENT YEAR	SMALL ENTITY?	STAT	AT M
6,469,012	\$900.00	\$0.00	08/549,792	10/22/02	03/04/96	04	NO	PAID	PC84

Direct any questions about this notice to:
Mail Stop: M. Correspondence
Director of the United States Patent and Trademark Office
P.O. Box 1450



United States Patent and Trademark Office

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- Please enter both a patent number and its corresponding application number to look up patent maintenance fee information or to pay a maintenance fee.
- If paying a maintenance fee, after entering the patent and application number click on 'Retrieve Fees to Pay.'
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- If looking up the payment schedule to determine when maintenance fees are due on a patent, after entering the patent number and application number click on 'View Payment Windows.'
- If you wish to print out a statement showing receipt of a maintenance fee payment, after entering the patent number and application number select the "Payment Window" year from the drop-down list box and then click 'View Statement.'

For information about which patents are subject to maintenance fees and the time of payment for maintenance fees, please refer to [Chapter 2500, Maintenance Fees](#), of the Manual of Patent Examining Procedure.

[The Privacy Act of 1974 - as it relates to Maintenance Fees](#)

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***ERROR: There is no statement available for selected payment year.**

Patent Number (exclude special characters; e.g. commas):

Application Number (must be 8 numeric digits - See NOTE below):



**United States
Patent and
Trademark Office**

Maintenance Fees Window Dates **06/25/2006 09:31 PM EDT**

Patent Number: [6469012](#)

Application Number: [08549792](#)

	4th Year	8th Year	12th Year
Open Date	10/24/2005	10/22/2009	10/22/2013
Surcharge Date	04/25/2006	04/23/2010	04/23/2014
Close Date	10/23/2006	10/22/2010	10/22/2014

三、扩展专利信息检索数据库

- 专利撤回数据库

本数据库收录至最新公布日撤回的所有专利的目录。

三、扩展专利信息检索数据库

- 延长专利保护期数据库

本数据库收录至最新公布日公布的延长专利保护期的专利的目录。该专利目录包括三部分：根据私法延长专利保护期的专利目录，根据美国法典35-155延长专利保护期的专利目录，以及根据美国法典35-156延长专利保护期的专利目录。

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[Manual of Patent Examining Procedure](#)

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[Revised Amendment Practice](#) *Effective 30 July 2003*

[American Inventor's Protection Act of 1999 \(AIPA\)](#)

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- [Manual of Patent Classification](#) - search tip - after retrieving a class listing, click the  icon for any class in the online manual to automatically search and retrieve patents for that classification code
- [Search Templates](#) describe search resources for the classified areas of science and technology found in the USPTO Manual of Classification. The templates provide more structure to the search activity and set a standard to measure the completeness of any search.

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三、扩展专利信息检索数据库

- 专利转让数据库

专利转让数据库可供检索1980年以来的美国专利权出让与受让信息。

United States Patent and Trademark Office

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Related USPTO Services

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- Patent Assignment Database**
- Downloadable Published Sequence Listings

四、专利公报数据库

- 本数据库可供用户浏览最近52期电子美国专利公报全部内容和最近10年美国专利公报中的“Notices”（通知）内容。

四、专利公报数据库

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