



如何运用互联网上外国专利 信息资源

国家知识产权局专利局

专利文献部

宋瑞玲



举例：

- 1.检索有关加热器（radiator）方面的IPC分类位置为F24H3/00，并于1995年至2000年公布的专利文献

F24H 一般有热发生装置的流体加热器，例如水或空气的加热器（热传导、热交换或热贮存材料入 C09K 5/00；非催化热裂化用的管式炉入 C10G 9/20；密闭体通风或充气装置，例如阀入 F16K 24/00；疏水器或类似装置入 F16T；蒸汽发生入 F22；燃烧设备本身入 F23；家用炉或灶入 F24B，F24C；住宅或区域供热系统入 F24D；炉、窑、烘炉、蒸馏炉入 F27；热交换器入 F28；电热元件或装置入 H05B）

F24H 3/00 具有热发生装置的空气加热器（F24H 7/00，F24H 8/00 优先；零部件入 F24H 9/00；附有空气对流供暖装置的家用户或灶入 F24B，F24C）（5）

F24H 3/02 • 用强制循环的（F24H 3/12 优先）

F24H 3/04 •• 空气与加热介质直接接触的，例如电热元件

F24H 3/06 •• 空气与加热介质分开的，例如用强制循环使空气流经散热器

F24H 3/08 ••• 应用管道的

F24H 3/10 ••• 应用平板的

F24H 3/12 • 带有附加加热装置的

如何运用互联网上外国专利信息资源

内容

- 欧洲专利信息资源
- 美国专利信息资源
- 日本专利信息资源

内容

- 一、概述
- 二、esp@cenet检索系统
- 三、Online Services

一、概述

- 欧洲专利局（EPO）网站上提供的专利信息资源包括本局、其他国家及组织出版的专利文献，如：专利说明书、专利公报、专利分类资料，还包括专利引文、同族专利、欧洲专利审查过程中的文件等
- 网址：<http://www.epo.org>
- 英文、德文、法文

East meets West 2010

Forum on patent information from Asia

22/23 April, Austria Trend Hotel Savoyen Vienna

[Register now](#)

Amendments to the Implementing Regulations as of 1.4.2010

[Go to page](#)

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Patents

About us

Topics

European Publication Server European Patent Bulletin

News



22.2.2010

EPO resumes IP-related projects in the ASEAN countries

ECAP III, a European Commission-funded initiative aimed at strengthening IPRs in ten Asian countries, builds on the success of two earlier projects.

3.2.2010

EPO President - election procedure suspended

The same procedure will continue, with the existing pool of candidates, at an extraordinary Council meeting on 1 March 2010

3.2.2010

Oral proceedings to be held in the "Broccoli" and "Tomatoes" cases

The Enlarged Board of Appeal of the EPO will hold public oral proceedings in cases G2/07 ("Broccoli") and G1/08 ("Tomatoes") on 20 and 21 July 2010 in Munich.



1.2.2010

Fresh round of voting for next EPO President

At an extraordinary meeting in Munich on 2/3 February, delegations of the 38 member states of the European Patent Organisation will vote to elect the next EPO President

Updates

25.2.2010

The Administrative Council's calendar has been updated

25.2.2010

Next issue of the EPO Online Services Newsletter coming up

24.2.2010

Patent Statistics for Decision Makers 2010: Call for papers

24.2.2010

PATLIB2010: registration is now open

19.2.2010

Enlarged Board of Appeal: decision in case G2/08 (dosage regime) is available

19.2.2010

Delay in the uploading of Dutch front-file data

17.2.2010

Patent information virtual classroom programme 2010

17.2.2010

Enlarged Board of Appeal: decision in case G4/08 (langue de la procédure) is available

[Updates archive](#) | [RSS all updates](#)



Quick access

Grant procedure

Please select

Online services: filing, monitoring, fees

Patent information

Please select

esp@cenet: search 60 million patent documents online

Law

Please select

Press

Jobs and vacancies

EPO events

Learning

Appeals

The Organisation

二、 esp@cenet检索系统

- 收录了世界范围内超过90个国家的6500多万件专利文献
- 三个数据库：
 - ——**Worldwide**数据库：提供超过80个不同国家和地区公布的专利申请信息（以PCT最低文献量为基础）
 - ——**EP**数据库：提供欧洲专利局最近24个月内公布的专利申请
 - ——**WIPO**数据库：提供WIPO最近24个月内公布的专利申请（即，WO文献）

二、esp@cenet检索系统

除了提供数据外，esp@cenet检索系统还提供的服务：

- 观看新出现的技术
- 找到技术问题的解决方案
- 预先获得竞争者的发展动向
- 查询专利族信息
- 获取部分国家专利的法律状态信息，查询专利是否有效及在哪些国家有效
- 查询非专利文献
- 查询专利引文
- 建立欧洲专利登记簿与欧洲文献和Euro-PCT文献的链接

二、esp@cenet检索系统

**European Patent Office**

Home | Contact English Deutsch Français Help index ?

esp@cenet

快速检索
Quick Search
Search with keywords, or for persons or organisations

高级检索
Advanced Search
Search using any of the available fields

号码检索
Number Search
Search using publication, application, priority or NPL reference number

分类检索
Classification Search
Browse or search the Classification System of the European Patent Office

esp@cenet - NEWS,
esp@cenetユーザーの皆様、
esp@cenet assistant 日本語版 (36本の短編eラーニングモジュールを通じてesp@cenetの使い方が学べます)
SmartSearch [BETA]:
Example: Siemens EP 2007
Explanation: Smart Search will look for Siemens as being the inventor/applicant (first letter in uppercase), for all EP, i.e., European patent applications (2 letters in uppercase for the country code) and 2007 as publication date (4 digits for the year of publication).
Improvements to esp@cenet
A number of important new features and functions have been added to esp@cenet in an upgrade in January. These included improved navigation within help files, a default search options setting to the Worldwide database and display of the A0 document, instead of the corresponding PCT document, for Euro-PCT publications.
Major new items are:
full-text search in EP and WO in all three official languages highlighting of searched terms even in the full text a sort function for all lists improved pagination and navigation within lists. esp@cenet also became more graphic, displaying a first set of embedded images within Classification search. You can analyse the patent claims as filed and visualise the independent and dependent claims. esp@cenet will display all backward and forward citations, including documents cited in search, examination, opposition, appeal, etc. You will also be able to enter more search terms in any one field, and the search boxes themselves expand to accommodate this. Finally, the SmartSearch field identifiers have been refined.

News Flashes
Scheduled maintenance
Please be advised that esp@cenet may experience outages on the 4th of March from 20:00 to 23:00 CET
■ read more...
Newsflash
Interruption of the delivery of Dutch Bibliographic and Image data The Dutch Patent Office is changing its IT systems and data exchange procedures. This will result in a temporary interruption of the delivery of Bibliographic and Image data to the EPO from week 10 onwards. It will take a number of weeks to resume data deliveries and load the data. It is expected that the data will be available again by the end of April. Please note: Legal Status data will also be affected by this delay.
■ read more...
Latest Updates
■ **EP2154941** - 20100217
■ **EP2120182** - 20100217
■ **ES2333194** - 20100217
■ **ES2333186T** - 20100217
■ **ES1071358U** - 20100217

二、 esp@cenet检索系统

Advanced Search

1. Database

Select patent database:

Worldwide - full collection of published patent applications from 80+ countries

2. Search terms

Enter keywords in English - ctrl-enter expands the field you are in

Keyword(s) in title: plastic and bicycle

digital and computer

Keyword(s) in title or abstract: hair

Publication number: WO EP US CN WO2008014520

Application number: DE19971031696

Priority number: WO1995US15925

Publication date: 200506 yyyymmdd

Applicant(s): Institut Pasteur

Inventor(s): Smith

European Classification (ECLA): F03G7/10

International Patent Classification (IPC): H03M1/12

• 高级检索

逻辑组配符

•AND: 逻辑“与”

•OR: 逻辑“或”

•NOT: 逻辑“非”

通配符

•*: 任意长度的字符串

•? : 0或1个字符

•#: 1个字符

OR

OR

OR

OR

二、 esp@cenet检索系统

输入方式

- 公布号（publication number）
- 形式：国家代码（两位）+序列号（1~12位数字）
- 举例：DE202004009768，WO9905428，CN1264017
- 优先权号（priority number）、申请号（application number）
- 形式：国家代码（两位）+申请年代（4位）+序列号（最多7位数字）
- 举例：GB19950008026； GB19958026； WO1995US15925



举例:

- 2.检索中国专利申请00102338的专利说明书
- 3.同时检索公布号为
“DE202004009768, WO9905428,
CN1264017”的专利文献, 浏览其专利说明书

二、 esp@cenet检索系统

- 公布日期 (Publication date)
- 输入形式: yyyyymmdd, 如: **19961023**
- yyyymm, 如: 199610
- yyyy, 如: 1996
- dd/mm/yyyy, 如: 23/10/1996
- 日期范围的输入形式:
- ——使用“:”, 如: 2000:2001
- ——使用“,”, 如: 2000,2002
- ——使用“ ”, 如: “2000 2002”

二、 esp@cenet检索系统

- 名称（Keyword(s) in title）、摘要（Keyword(s) in abstract）
- 输入形式：
 - ——单独输入，如：hair
 - ——使用逻辑组配符，如：plastic and bicycle
 - ——使用引号“”进行短语检索，如：“plastic bicycle”
 - ——使用括弧()改变优先检索顺序，如：(mouse or rat) and trap

二、 esp@cenet检索系统

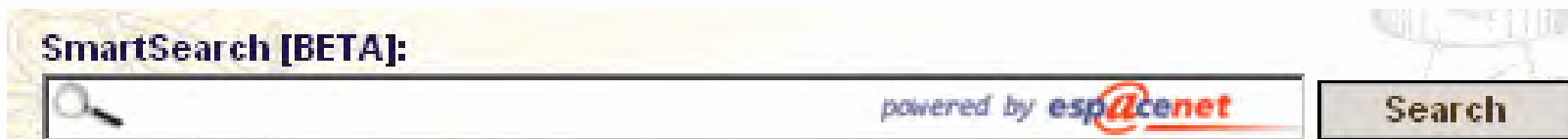
- 申请人 (applicant)、发明人 (inventor)
- ①个人
- 姓+名, 如: Smith John, Smith AND John, John, “Smith John”
- ②组织
- 如: British Aerospace, “British Aerospace”, British, Aerospace
- **IPC、ECLA**
- 如: B62, A47J, B60N2/00, C07H15, C07H15/04D

举例：

- 3.检索有关数字计算机（digital computer）方面的美国（US）和世界知识产权组织（WO）公布的专利文献

二、esp@cenet检索系统

- 智能检索



SmartSearch [BETA]:

powered by esp@cenet

Search

- 输入举例:
- PA=smith; IC=A63B49/08;
- TI=mouse trap; PR=ep20050104792
- TI = "mouse trap" AND (NUM = EP OR NUM = CN)
- (TI = radiator or EC = f24h3/00b2) and pd=1995**

字段标识	描述	举例
IN	Inventor (发明人)	
PA	Applicant (申请人)	pa=smith
TI	Title (名称)	ti=mouse trap
AB	Abstract (摘要)	ab=mouse trap
PR	Priority number (优先权号)	pr=ep20050104792
PN	Publication number (公布号)	pn=ep1000000
AP	Application number (申请号)	ap=jp19890234567
PD	Publication date (公布日)	pd=20080107 pd=07/01/2008 pd=07/01/2008
CT	Citing document (引用本专利的文献)	ct=ep1000000
EC	European (ECLA) classification (ECLA分类号)	ec=A61K31/13
IC	International classification (IPC分类号)	ic=A63B49/08
CI	IPC core and invention information (IPC基本版、发明信息)	ci=A63B49/02
CN	IPC core and additional information (IPC基本版、附加信息)	cn=A63B49/02
AI	IPC advanced and invention information (IPC高级版、发明信息)	ai=A63B49/08
AN	IPC advanced and additional information (IPC高级版、附加信息)	an=A63B49/08
IA	Inventor and applicant (发明人和申请人)	ia=Apple or ia="Ries Klaus"
TA	Title and abstract (名称和摘要)	ta=laser printer
TXT	Title, abstract, inventor and applicant (名称、摘要、发明人、申请人)	txt=microscope lens
NUM	Application, publication and priority number (申请号、公布号和优先权号)	num=ep1000000
C	ci and cn (IPC基本版中的发明信息和附加信息)	c=A63B49/02
A	专利文献部 (IPC高级版中的发明信息和附加信息)	a=A63B49/08

二、 esp@cenet检索系统

检索结果显示

Quick Search

Advanced Search

Number Search

Last result list

My patents list 0

Classification Search

Get assistance →

Quick Help

- » Why is the list limited to 500 results?
- » Why is the number of results sometimes approximate?
- » Why could it be that a certain patent document is not displayed in the result list?
- » Why do I sometimes get results having a title which is not in English?
- » Why is there a number in brackets?
- » Why should I tick the "in my patents list" box?
- » Can I export the result list?
- » What is an XP document?
- » Can I sort the result list?

Compact | Print | Export

Refine search | 1 2 next

page 1

去重功能

RESULT LIST

16 results found in the Worldwide database for:
Radiator in the title AND 1995:2000 as the publication date AND f24h3/00b2 as the European Classification

The result is not what you expected? Get assistance →

Sorting criteria: **Upload Date** ▼ Priority Date Inventor Applicant Ecla

1

Movable radiator of autonomous working in my patents list ☐

Inventor: DLONGI ZUSEPE [IT]

EC: F24H3/00B2

Publication CN1264017 (A) - 2000-08-23

info: CN1136416 (C) - 2004-01-28

Applicant: LANHA S P A [IT]

IPC: F24D13/04; F24D19/06; F24H3/00; (+6)

Priority Date: 1999-02-17

2

Radiator with expansion vessel in my patents list ☐

Inventor: SEIDL HERMANN [DE]; ARTINGER MANFRED [DE] (+1)

EC: F24D3/10B; F24H3/00B2; (+1)

Publication EP1030131 (A2) - 2000-08-23

info: EP1030131 (A3) - 2002-05-08

Applicant: KERMI GMBH [DE]

IPC: F24D3/10; F24H3/00; F28F9/02; (+5)

Priority Date: 1999-02-15

3

Independently operating and mobile radiator and process for its manufacture in my patents list ☐

Inventor: LONGHI GUISEPPE DE

EC: F24H3/00B2; F28D1/03F4B

Publication AU3497999 (A) - 1999-12-23

info:

Applicant: LONGHI SPA DE

IPC: F28F3/08; F24H3/00; F24H3/06; (+10)

Priority Date: 1998-06-10

4

Electric oil radiator for heating rooms in my patents list ☐

Inventor: ARRA ANTONIO [IT]; RAFAIANI LUIGI [IT]

EC: F24H3/00B2; F28D1/03F4B

Publication EP0949460 (A2) - 1999-10-13

info: EP0949460 (A3) - 2001-08-08

Applicant: LAMINOX S R L [IT]

IPC: F24H3/00; F28D1/03; F24H3/00; (+2)

Priority Date: 1998-04-07

5

Autonomous electrically heated wet radiator has electric element at base and hollow vertical fins to emit heat from liquid whose flow is directed by a plate using internal vane surfaces as guide in my patents list ☐

Inventor: DUPLESSY HERVE; GUYOT CAROLE

Applicant: DUPLESSY HERVE [FR]

二、 esp@cenet检索系统

- 界面显示方式： a.扩展显示； b.简洁显示
- 500, 100000
- 按钮功能
- ——“export”： 系统允许以CSV的形式下载结果列表（包括“My Patents List”项、结果列表、被引用文献列表和全部引用文献的列表），形成EXCEL表格
- ——“My patents list”： 文献存储，方便以后浏览，最多100 件
- ——“refine search”： 精确检索（即，二次检索）

Radiator 著录数据 文本型说明书

附图

由INPADOC提供的法律状态数据列表

Bibliographic data

Description

Claims

Mosaics

Original document

INPADOC legal status

Publication number: EP0676606 (A1)

Publication date: 1995-10-11

Inventor(s): HELLER REINHARD [AT] +

Applicant(s): HELLER REINHARD [AT] +

Classification:

- international: F24H3/00; F28D1/03; F24H3/00; F28D1/02; (IPC1-7): F28D1/03

- European: F24H3/00B2; F28D1/03F4

Application number: EP19950890080 19950407

Priority number(s): AT19940000742 19940411

[View INPADOC patent family](#)

[View list of citing documents](#)

[View document in the European Register](#) 

Also published as:

 EP0676606 (B1)
 EP0676606 (B2)
 DE29506092 (U1)
 ES2116708 (T5)
 DK676606 (T3)

[more >>](#)

Cited documents:

 EP0114158 (A2)
 CH237748 (B)
 EP0556433 (B1)
 EP0292441 (A1)
 FR1394844 (A)

[View all](#)

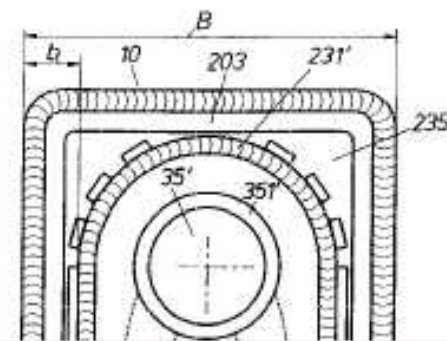
[Report a data error here](#)

Abstract of EP 0676606 (A1)

本文献或相关文献的英文摘要和主附图

[Translate this text](#)

The radiator has a number of radiator elements (10), each provided by a pair of profiled sheet stell half shells which are welded together to define a hollow space (3) with at least 3 channel zones (31, 31', 31''), for reception and circulation of the heating oil. All the outer edge zones (201, 202, 203) of each radiator element which can come into direct physical contact with a person during operation of the radiator, are free of the heating oil, the radiator elements having a width (B) which is double that of normal radiator elements.



- 功能显示
- ——Also published as: 查看相关专利文献（corresponding documents）或相同专利（equivalents）文献
- 相关专利指具有相同优先权的专利族中的有代表性的同族专利，按照顺序显示：英文显示的EP文献、US文献、GB文献
- ——cited documents: 查看本专利申请引用的专利文献，也可获得全部的引用文献类型
- ——View INPADOC patent family: 查看与本专利具有至少一个优先权的同族专利的全部列表
- ——View list of citing documents: 查看引用本专利的其他专利申请
- ——View document in the European Register: 进入欧洲专利登记簿（仅限于欧洲申请和指定欧洲的PCT申请）



举例：

- 4.查询专利申请EP0676606的法律状态，其中包括它的审查案卷

三、 Online Services (在线服务)

三、 Online Services (在线服务)

- 允许申请人、代理人和其他用户同欧洲专利局一起在技术发展水平的安全环境上以电子化的方式进行业务往来
- 包括递交申请、接收欧专局的信件、检索和浏览专利文献、监控审批过程以及网上付费等；并以智能卡或用户名/密码进入的方式进行保护
- 网址： <http://www.epoline.org/portal/public>

三、 Online Services (在线服务)

“Register Plus”（登记簿副本）

- 可直接获取欧洲专利申请授权程序中的可用信息，它提供**欧洲申请**、指定欧洲的PCT申请和PCT申请在程序上的和法律上的数据，包括：著录项目数据、同族专利数据以及法律状态信息、审查过程中的文档查阅等数据
- **检索方式**
 - ——快速检索（Quick Search）
 - ——高级检索（Advanced Search）
 - ——智能检索（SmartSearch）

三、Online Services (在线服务)

- 高级检索

The screenshot displays the European Patent Office (EPO) website's search interface. At the top, there is a navigation bar with links for Home, Contact, Deutsch, English, Français, and Legal Notices. Below this, the main search area is titled 'European Patent Office'. It features two search options: 'Quick Search' and 'SmartSearch', with 'SmartSearch' being the selected option. A 'Help' link is also present. The search form consists of three rows, each with a label ('Search', 'AND', 'AND'), a dropdown menu set to 'Application No.', and a text input field. To the right of the input fields are 'Search' and 'Reset' buttons.

- 显示三个检索选项和三个信息输入框，检索选项之间AND

字段	输入形式及举例
Publication No (公布号)	EP公布号: EP123455
	WO公布号 · WOyynnnnn : WO0251230 · WOyynnnnnn : WO02051231, WO03107732 · Woyyyynnnnnn : WO2008149449 (2004年1月起)
Application No (申请号)	EP申请号: 99203729 (8位数字)
	PCT申请号 PCT/US/1998004141可输入: WO1998US04141 PCT/IB2008/012345 可输入: WO2008IB12345 (去掉顺序号前的0)
	esp@cenet数据形式 EP19990402065, WO1998US04141
Priority No. (优先权号)	EP20070006671
Date of filing (申请日)	yyyymmdd
Date of publication (公布日)	yyyymmdd
Priority date (优先权日)	yyyymmdd
Applicant (申请人)	姓, 名
Inventor (发明人)	姓, 名
Representative (代理人)	姓, 名
Opponent (异议人)	异议人的姓, 名
Classification (IPC) (IPC分类号)	G09G5/00

三、Online Services

(在线服务)

About this file

- Legal status
- Event history
- Citations
- Patent family
- All documents

Quick Search SmartSearch Search Results Download XML Data Print Open in esp@cenet® Help

Search Publication No. EP0676606

AND Application No. Search

AND Application No. Reset

SmartSearch: publication = EP0676606

Open recent Open

EP0676606 - Radiator Show history

[Right-click to bookmark this link]

Status	Patent maintained as amended Database last updated on 10.03.2010	
Most recent event	05.10.2005	Change: Appeal number
Applicant(s)	For all designated states Heller, Reinhard Hohenstaufengasse 4 A-8020 Graz / AT	

三、 Online Services (在线服务)

- **About this file:** 显示专利的著录项目以及审查过程数据
- **Legal Status:** 显示欧洲程序中最重要法律状态数据（包括审查、异议、上诉等程序数据以及INPADOC提供的的数据），也显示欧洲专利指定国授权后的任何信息
- **Event History:** 显示按时间顺序排列的从申请、公开到授权及授权后的异议、上诉等过程数据
- **Citations:** 显示欧洲专利申请授权检索时的文献列表，或申请人引用文献列表
- **Patent Family:** 显示与欧洲专利申请具有一个共同的优先权号的世界范围内的专利文献
- **All Documents:** 显示审查过程中欧洲专利局收到、发出或涉及诉讼的文件内容的全部列表，以PDF的格式显示



举例：

- 5.检索普莱特克斯产品公司
（Playtex products inc）2000年后
的美国授权专利文献。

内容

- 概述
- 主要专利检索数据库
- 其他专利检索数据库

一、概述

- 网址: <http://www.uspto.gov/>
- 收录了美国专利说明书、专利公报、专利分类、专利法律状态及其他信息
- 收录在不同数据库中



United States Patent and Trademark Office

An Agency of the Department of Commerce

Patent Full-Text Databases

PatFT: Patents

Full-Text from 1976

[Quick Search](#)

[Advanced Search](#)

[Number Search](#)

[View Full-Page Images](#)

[PatFT Help Files](#)

[PatFT Status, History](#)

[PatFT Database Contents](#)

[Report Problems](#)

[Report Data Errors](#)

<< BOTH SYSTEMS >>

The databases are operating normally.

[Notices & Policies](#)

[How to View Images](#)

[Assignment Database](#)

[Public PAIR](#)

[Searching by Class](#)

[Sequence Listings](#)

[Attorneys and Agents](#)

AppFT: Applications

Published since March 2001

[Quick Search](#)

[Advanced Search](#)

[Number Search](#)

[View Full-Page Images](#)

[AppFT Help Files](#)

[AppFT Status, History](#)

[Report Problems](#)

[Report Data Errors](#)

二、主要专利检索数据库

（一）专利授权数据库

- 范围：
 - 收录了1790年起的第一件授权专利至最近一周授权的全部美国专利文献，如：发明专利、设计专利、再版专利、植物专利和依法注册的发明
- 形式：
 - 1976年起的专利全文文本（Full-text）显示
 - 1790年起的专利全文图像（full-page images）显示
- 检索方式：快速检索、高级检索、专利号检索

二、主要专利检索数据库

<http://www.uspto.gov/>

- 快速检索（Quick Search）

Query [\[Help\]](#)

Term 1: in Field 1: All Fields

AND

Term 2: in Field 2: All Fields

Select years [\[Help\]](#)

1976 to present [full-text]

Search

重置

- 布尔逻辑运算符选项（AND、OR、ANDNOT）
- 年代选择项（Select Years）：1976年至今的可检索的全文文本和1790年至今的全文图像
- 1790至1975年间的美国授权文献，仅能通过**专利号**、**授权日期**和**当前美国分类检索**

二、主要专利检索数据库

• 高级检索 (Advanced Search)

Query [\[Help\]](#)

Examples:

t11/(tennis and (racquet or racket))

isd/1/8/2002 and motorcycle

in/newmar-julie

Select Years [\[Help\]](#)

1976 to present [full-text] ▼

Search

重置

检索表达式：检索字段代码/检索项字符串

- IN/Dobbs; CCL/270/31;
- AN/MCNC AND TTL/solder;
- AN/"Playtex products inc" and ISD/20010101->20091231
- 截断符"\$"，代表任意数量的字符

二、主要专利检索数据库

31个检索字段

Field Code	Field Name	Field Code	Field Name
PN	Patent Number	IN	Inventor Name
ISD	Issue Date	IC	Inventor City
TTL	Title	IS	Inventor State
ABST	Abstract	ICN	Inventor Country
ACLM	Claim(s)	LREP	Attorney or Agent
SPEC	Description/Specification	AN	Assignee Name
CCL	Current US Classification	AC	Assignee City
ICL	International Classification	AS	Assignee State
APN	Application Serial Number	ACN	Assignee Country
APD	Application Date	EXP	Primary Examiner
PARN	Parent Case Information	EXA	Assistant Examiner
RLAP	Related US App. Data	REF	Referenced By
REIS	Reissue Data	FREF	Foreign References
PRIR	Foreign Priority	OREF	Other References
PCT	PCT Information	GOVT	Government Interest
APT	Application Type		

二、主要专利检索数据库

日期型(授权日、申请日)

- 多种输入格式：**20030403**，4-3-2003，4/3/2003，Apr-3-2003，Apr/3/2003，April/3/2003等
- 时间范围检索：20030101->20030601
- 可使用截断符：1/\$/2001，200101\$（“YYYY”不能用“\$”）

号码型（专利号、申请号）

- 可以使用截断符“\$”，如：514663\$，022\$（最少保留3位）
- 若输入多个号码，应使用“OR”连接
- 除发明外，其他专利种类前方应加入专利种类代码
如：RE35312（再版专利）

二、主要专利检索数据库

代码型（国际专利分类号、当前美国分类号）

- 可以使用截断符“\$”，如：G06F17/\$、G06F\$、128/\$

文本型（名称、摘要、说明书、权利要求）

- 可使用布尔算符，如：ABST/(digital and computer)
- 可使用截断符“\$”，以扩大检索范围，如：comput\$
- 可使用()改变优先顺序，如：(needle or syringe) andnot (sew\$ or thread)
- 使用引号“”进行短语检索，如：“digital computer”

二、主要专利检索数据库

文本型（专利权人姓名、发明人姓名、主要审查员、助理审查员、律师或代理人）

人名输入格式：姓+名+当中的名字

- 如 Robert.H Kim 可输入

Kim-Robert-H; CHIZMAR-JAMES-\$; Kim-\$

公司或单位输入格式

- “General Motors” ; PLAYTEX-PRODUCTS-INC;
PLAYTEX AND PRODUCTS AND INC

二、主要专利检索数据库

• 检索结果列表显示

Searching US Patent Collection...

Results of Search in US Patent Collection db for:

((AN/"PLAYTEX PRODUCTS INC" AND APD/20010101->20080305) AND CCL/53/459): 3 patents.

Hits 1 through 3 out of 3

按照专利文献公布日期由近及远的顺序排列，即最新公布的专利文献排在前面（同一时间公布的专利文献按照专利号码由大到小的顺序排列）

Jump To

Refine Search

an/"PLAYTEX PRODUCTS INC" and apd/20010101->2008030

PAT. NO. Title

符号“T”表明该文献有专利全文文本（full-text）

1 [7,178,314](#) **T** [Waste disposal apparatus](#)

2 [7,073,311](#) **T** [Odor control cassette](#)

3 [6,925,781](#) **T** [Integrated cutting tool for waste disposal method and apparatus](#)

专利全文文本显示

- 1790年至1975年授权的专利文献仅显示专利号、授权日期和美国专利分类号
- 1976年及以后授权的专利文献显示专利著录项目数据、摘要、引用文献列表、权利要求及说明书（不包括附图）
- 一References Cited: 本专利所引用的参考文献的列表
- 一References By: 引用本专利的美国专利文献列表；相当于在“高级检索”界面输入“REF/检索字符串”进行检索

[Home](#)[Quick](#)[Advanced](#)[Pat Num](#)[Help](#)[Hit List](#)[Previous](#)[Next](#)[Bottom](#)[View Cart](#)[Add to Cart](#)[Images](#)

(2 of 3)

United States Patent
Chomik , et al.

7,073,311
July 11, 2006

Odor control cassette

Abstract

A film is provided for use in a cassette. Preferably, the cassette is used in a waste disposal system. The film is a high density polyethylene film resin having both a low melt index and a high density, thereby providing improved odor control capabilities and enhanced tear strength and assembly strength.

Inventors: **Chomik; Richard S.** (Middlesex, NJ), **Yoho; Mark** (Chagrin Falls, OH), **Brown; Jeffrey** (Charlotte, NC)
 Assignee: **Playtex Products, Inc.** (Westport, CT)
 Appl. No.: **10/947,843**
 Filed: **September 23, 2004**

Related U.S. Patent Documents

References Cited [\[Referenced By\]](#)

U.S. Patent Documents

[6405144](#)
[6449749](#)
[6493063](#)
[6915177](#)

June 2002
 September 2002
 December 2002
 July 2005

Toprac et al.
 Stine
 Seltmann et al.
 Phan et al.

Foreign Patent Documents

WO 03/017322

Feb., 2003

WO

Other References

Ackmann et al., "Use of Exposure compensation to improve device performance for speed and binning based on electrical parametric feedback into fabrication design," SPIE, 3051:384-90, 1997. cited by other.

引用的美国专利文献

外国专利文献

其他文献（非专利文献）



举例：

- 6.检索在2010年5月11日授权， 号码为US7712285B2， 并且在2007年8月2日公布， 号码为US2007/0175182A1的美国专利说明书。

二、主要专利检索数据库

(二) 专利申请公布数据库

- 收录了2001年3月15日起的第一件专利公布文献至最近一周公布的全部美国专利文献（包括发明专利和植物专利）
- 数据内容包括：基本著录项目数据、摘要、专利全文文本（full-text）数据、全部专利全文图像



举例：

- 7.查询美国专利申请US6469012的法律状态信息，并且浏览其收费情况、有否后续申请、审查文件等

（三）专利申请信息查询系统

- Patent Application Information Retrieval System, 简称PAIR, 用以查询和下载相关专利申请法律状态信息
- 两种使用类型
 - ——Public PAIR（公共专利申请信息查询系统）
 - ——Private PAIR（私人专利申请信息查询系统）

Public PAIR

- 仅提供授权专利或公布申请的状态
- 提供的公共申请信息包括：专利文献、公布的申请、要求国内优先权的授权专利或公布申请
- 需要输入“确认码”

二、主要专利检索数据库



中华人民共和国国家知识产权局
State Intellectual Property Office of the People's Republic of China

Patent Application Information Retrieval

Select
New Case

Please Read
Announcements

Select New Case

** indicates a required field*

You may search for a specific application or conduct a search related to a customer number.

Search for Application:

Choose type of number:

- ☒ Application Number (EXAMPLE: 99999999 or 99/999999) 
- ☐ Control Number 
- ☐ Patent Number 
- ☐ PCT Number (EXAMPLE: PCT/CCYY/99999 or PCT/CCYYYY/999999) 
- ☐ Publication Number 

* Enter number:

6469012

SEARCH

二、主要专利检索数据库

检索结果显示 申请案的基本资料及审查进度

Patent Application Information Retrieval

[Order Certified Application As Filed](#) [Order Certified File Wrapper](#) [View Order List](#)

08/549,792

PYRAZOLOPYRIMIDINONES FOR THE TREATMENT OF IMPOTENCE

Select New Case

Application Data

Transaction History

Image File Wrapper

Patent Term Extension History

Continuity Data

Foreign Priority

Fees

Published Documents

Address & Attorney/Agent

Bibliographic Data

Application Number:	08/549,792	Customer Number:	-
Filing or 371 (c) Date:	03-04-1996	Status:	Patented Case
Application Type:	Utility	Status Date:	10-03-2002
Examiner Name:	WEBMAN, EDWARD J	Location:	ELECTRONIC
Group Art Unit:	1617	Location Date:	-
Confirmation Number:	2084	Earliest Publication No:	-
Attorney Docket Number:	PC8498AJTJ	Earliest Publication Date:	-
Class / Subclass:	514/258	Patent Number:	6,469,012
First Named Inventor:	PETER ELLIS , SANDWIWCH, EN (GB)	Issue Date of Patent:	10-22-2002

Title of Invention:

PYRAZOLOPYRIMIDINONES FOR THE TREATMENT OF IMPOTENCE

不同专利显示的按钮数量及内容不同

二、主要专利检索数据库

- Select New Case: 进行下一项检索
- Application Data: 著录数据
- Transaction History: 提供有关申请历史的信息
- Image File Wrapper: 列表显示申请文件案卷
- Patent Term Extension History: 显示计算出的专利保护期限的调整数据
- Continuity Data: 提供本专利的在先申请和在后申请数据
- Foreign Priority: 包含作为优先权基础的外国申请信息
- Published Documents: 提供授权专利或公布申请的全文
- Fees: 显示该专利的缴费情况
- Address & Attorney /Agent: 显示有关申请的通信地址和有代理人资格的代理人列表的信息



举例：

- 8. 了解普莱特克斯产品公司专利的权利转移情况

专利权转移数据库

- Assignments on the Web, 简称AOTW, 供用户检索美国专利的权利转移情况
- 时间范围: 1980.8起
- 查询内容: 某一案卷的详细信息、特定美国专利的权利转移登记情况、某个发明人的权利转移情况、某公司拥有的权利状况等

三、其他专利检索数据库

Patent Assignment Query Menu

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Enter the Data:

[Online Help](#)

Reel/Frame Number:

Patent Number:

6469031

Publication Number:

Assignor Name:

Assignor Index:

Assignee Name:

playtex products

Assignee Index:

Assignor/Assignee Name:

Search

The database contains all recorded Patent Assignment information from August 1980 to January 14, 2010.

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350.
Web interface last modified: October 18, 2008 v.2.0.2

NOTE: Results display only for issued patents and published applications. For pending or abandoned application please consult USPTO staff.

Total Assignments: 3

Patent #: [6469031](#)

Issue Dt: 10/22/2002

Application #: 09216512

Filing Dt: 12/18/1998

Inventors: RICHARD D CONNELL, TIMOTHY G LEASE, JEREMY BARYZA

Title: NOVEL CARBOXYL SUBSTITUTED CHROMAN DERIVATIVES USEFUL AS BETA 3 ADRENORECEPTOR AGONISTS

Assignment: 1

Reel/ Frame: [009668/0397](#)

Recorded: 12/18/1998

Pages: 7

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: [CONNELL, RICHARD D.](#)

Exec Dt: 12/15/1998

[LEASE, TIMOTHY G.](#)

Exec Dt: 12/15/1998

Assignee: [BAYER CORPORATION, AN INDIANA CORPORATION](#)

100 BAYER ROAD

PITTSBURGH, PENNSYLVANIA 15205

Correspondent: BAYER CORPORATION

JEFFREY M. GREENMAN

VICE PRESIDENT, PATENTS & LICENSING

400 MORGAN LANE

WEST HAVEN, CT 06516

Assignment: 2

Reel/ Frame: [013974/0465](#)

Recorded: 09/16/2003

Pages: 13

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: [BAYER CORPORATION](#)

Exec Dt: 06/03/2003

Assignee: [BAYER PHARMACEUTICALS CORPORATION](#)

400 MORGAN LANE

WEST HAVEN, CONNECTICUT 06518

Correspondent: BAYER PHARMACEUTICALS CORPORATION

JEFFREY M. GREENMAN

400 MORGAN LANE

LAW & PATENTS

WEST HAVEN, CT 06516

Assignment: 3

Reel/ Frame: [013758/0657](#)

Recorded: 06/27/2003

Pages: 1

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: [BAYER CORPORATION](#)

Exec Dt: 06/27/2003

Assignee: [BAYER PHARMACEUTICALS CORPORATION](#)

400 MORGAN LANE

WEST HAVEN, CONNECTICUT 06516

Correspondent: BAYER PHARMACEUTICALS CORPORATION

JEFFREY M. GREENMAN

LAW & PATENTS

400 MORGAN LANE

WEST HAVEN, CT 06516

- 案卷号、专利号和公布号段上的超级链接
- 出让人、受让人名字字段上的超级链接

举例：

- 9. 检索有关“数字计算机（digital computer）”方面的在2001年公布的日本专利文献
- 10.检索公开号为H09-123456的日本专利说明书全文（专利公报）

内容

- 概述
- 英文版面IPDL
- 日文版面IPDL

一、概述

- 网址: <http://www.jpo.go.jp/>
- 日本专利局将1885年以来公布的所有日本专利、实用新型和外观设计电子文献收录在网站上的工业产权数字图书馆 (Industrial Property Digital Library, 简称IPDL) 中
- IPDL包含若干不同的数据库
- 英文版面、日文版面

二、英文版面IPDL

http://www.ipdl.inpit.go.jp/homepg_e.ipdl

IPDL Industrial Property
Digital Library

National Center for
Industrial Property
Information and Training

专利与实用新型
公报数据库

专利与实用
新型文献号
对照数据库

▶ INPIT Home Page ▶ JPO Home Page **To Japanese Page**

The Industrial Property Digital Library (IPDL) offers the public access to IP Gazettes of the JPO free of charge through the Internet.

Access Total :
2,420,866

→ Patent & Utility Model

[Patent & Utility Model Gazette DB](#)
[Patent & Utility Model Concordance](#)
[FI/F-term Search](#)
[PAJ](#)
[Patent Map Guidance](#)

→ Trademark

[Japanese Trademark Database](#)
[Japanese Figure Trademarks](#)
[Japanese Well-Known Trademark](#)
[List of Goods and Services](#)

→ Design

[Design Gazette DB](#)

专利分类地图
导航

英文文摘数据库

→ Database Contents

[Patent & Utility Model Gazette DB](#)
[Patent & Utility Model Concordance](#)
[FI/F-term Search](#)
[PAJ](#)
[Design Gazette DB](#)
[Japanese Trademark Database](#)
[Japanese Figure Trademarks](#)

News

[News](#)

Link

[IPDL Links](#)

Questionnaire

[Questionnaire](#)

[Notice](#)

二、英文版面IPDL

(一) 专利与实用新型公报数据库

- 收录了1885年起的日本专利与实用新型公报

Patent & Utility Model Gazette DB

[MENU](#)[NEWS](#)[HELP](#)

Kind code & Document Number

(If you would like to know the form below to your search criteria, please click on HELP.)

Kind code	A: (Published patent application, Japanese translation of PCT international application), B: (Examined patent application publication), U: (Published utility model application, Japanese translation of PCT international application(utility model)), U1: (Unexamined utility model specification), Y: (Examined utility model application publication)	A1: (Domestic re-publication of PCT international application)	N1: (Journal of technical disclosure)	B: (Patent), C: (Patent specification), H: (Corrected patent specification), I: (Corrected utility model specification), U: (Registered utility model), Y: (Examined utility model registration), Z: (Examined utility model specification)
Number (e.g.)	H12-123456 or 2000-123456	005-123456 or 2005-123456	098-12345	2500001

Kind code

Number

Kind code

Number

Kind code

Number

Kind code

Number

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.

Display Type

All Pages

专利文献种类标识代码和号码输入窗口之间的逻辑关系为“与”；各组输入窗口之间的逻辑关系为“或”。

二、英文版面IPDL

结果显示类型

- 全部页面（All Pages）
- 扉页（Front Page）
- 权利要求（Claims）
- 附图（Drawings）

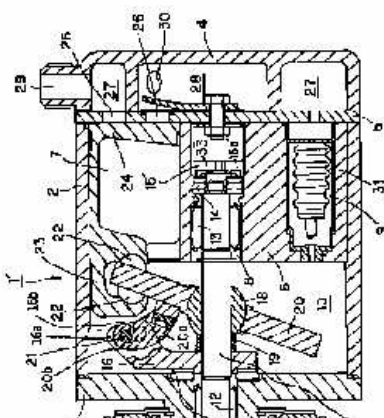
检索结果显示方式

- PAJ显示
- 翻译公报显示（Translated gazette document）
- 日文公报图像显示（Japanese gazette image）

二、英文版面IPDL

(1) PAJ显示

显示详细信息

| | |
|--|---|
| <p>DOCUMENT 2/2
DOCUMENT NUMBER
@: unavailable</p> <p>1. JP, 09-123456, A (1997)
2. JP, 2001-012345, A</p> <p>BACK NEXT
MENU SEARCH
HELP</p> | <p>DETAIL JAPANESE LEGAL STATUS 法律状态</p> <p>日文显示</p> <p>PATENT ABSTRACTS OF JAPAN</p> <p>(11)Publication number : 2001-012345
(43)Date of publication of application : 16.01.2001</p> <hr/> <p>(51)Int.Cl. F04B 27/10
F04B 27/14</p> <hr/> <p>(21)Application number : 11-180981 (71)Applicant : SANDEN CORP
(22)Date of filing : 28.06.1999 (72)Inventor : TAKAI KAZUHIKO</p> <hr/> <p>(54) VARIABLE DISPLACEMENT COMPRESSOR
(57)Abstract:
PROBLEM TO BE SOLVED: To provide a variable displacement compressor which does not generate axial vibration of a driving shaft even when the compressor is operated under a low thermal load condition.
SOLUTION: In this variable displacement compressor 1' which controls the tilt angle of a swash plate 20 rotating in synchronism with a driving shaft 11 by the inner pressure of a crankcase 10 to control the stroke of a piston 24, and to variably control the compressive capacity, the driving shaft 11 is rotatably supported by a radial bearing 13 inserted into the center bore 8 of a cylinder block 6 having plural cylinder bores 7, and one end of the driving shaft is axially supported by a thrust bearing 14 screwed into the center bore. An axial clearance of the thrust bearing is adjusted by an adjusting screw 15', and a Belleville spring 33 is interposed between the thrust bearing and the adjusting screw 15'.</p> |
| |  |

二、英文版面IPDL

(2) 翻译公报显示

DOCUMENT 2/2
DOCUMENT NUMBER
@: unavailable

1. [JP, 09-123456, A\(1997\)](#)
2. [JP, 2001-012345, A](#)

JAPANESE [JP, 2001-012345, A]

[CLAIMS](#) [DETAILED DESCRIPTION](#) [TECHNICAL FIELD](#) [PRIOR ART](#) [EFFECT OF THE INVENTION](#) [TECHNICAL PROBLEM](#) [MEANS](#) [DESCRIPTION OF DRAWINGS](#) [DRAWINGS](#)

机器翻译

* NOTICES *

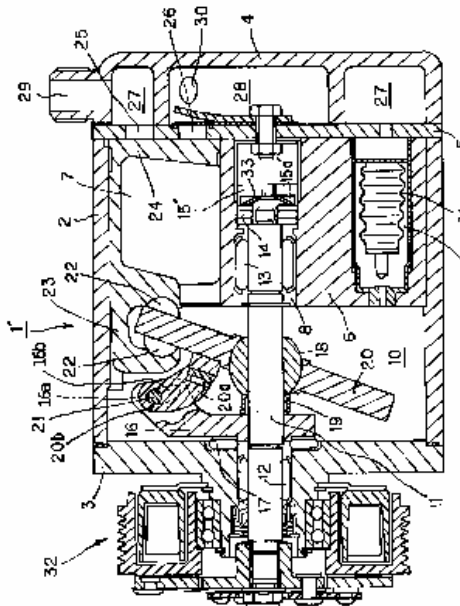
JPO and INPIT are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]
[Claim 1] A cylinder block which has two or more cylinder bores and center boas.
A driving shaft which it extended in a crankcase contiguous to a cylinder block, and an end was inserted in a center boa, and was supported pivotable by a cylinder block via a radial bearing.
A stretching screw which screw in a center boa, and an end of a driving shaft is supported to shaft orientations via thrust bearing, and adjusts axial clearance of thrust bearing.
A cam plate which an angle of inclination to a driving shaft is variable, and was connected with a driving shaft so that it might rotate synchronizing with a driving shaft.
It is attached to the end face of a cylinder block via a plate.

Drawing selection



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- CLAIMS（权利要求）
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- TECHNICAL FIELD（技术领域）
- PRIOR ART（已有技术）
- EFFECT OF THE INVENTION（发明效果）
- TECHNICAL PROBLEM（技术问题）
- MEANS（方法）
- DESCRIPTION OF DRAWINGS（附图说明）
- DRAWINGS（附图）

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(3) 日文公报图像显示

| | | | |
|---|--|--|--|
| DOCUMENT 2/2
DOCUMENT NUMBER
@: unavailable | | | |
| 1. JP,09-123456,A(1997)
2. JP,2001-012345,A | | | |
| <div>(19) 日本国特許庁 (J P) (12) 公開特許公報 (A) (11) 特許出願公開番号
特開2001-12345
(P2001-12345A)
(43) 公開日 平成13年1月16日 (2001.1.16)</div> | | | |
| <div>(51) Int.Cl.⁷ 識別記号 F I 7-73-71 (参考)
F 0 4 B 27/10 F 0 4 B 27/08 H 3 H 0 7 6
27/14 S</div> | | | |
| 審査請求 未請求 請求項の数 2 O L (全 5 頁) | | | |
| (21) 出願番号 特願平11-180981 | | (71) 出願人 000001845
サンデン株式会社
群馬県伊勢崎市寿町20番地 | |
| (22) 出願日 平成11年6月28日 (1999.6.28) | | (72) 発明者 高井 和彦
群馬県伊勢崎市寿町20番地 サンデン株式
会社内 | |
| | | (74) 代理人 100095245
弁理士 坂口 嘉彦 | |
| JP, 2001-012345, A | | STANDARD ZOOM-UP ROTATION REVERSE No Rotation ☐ | |
| RELOAD | | PREVIOUS PAGE | |
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（二）日本专利英文文摘（PAJ）

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 - 1976年以来公布的日本发明专利申请公开文献（每月更新）
 - 1990年以来申请的专利的法律状态信息（legal status）（每两周更新）
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Document Number

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A, U, B, Y : 2001-123456 or H13-123456

A1 : WO1998-123456 or WO98-123456

U, B, Y : 3234567

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- [02.10.2006: National Entry Form](#)
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|-----|------|---------------------------------|------------|-----------------|------------|---|
| 1 | A1 | JP WO2007-23660 | 26.03.2009 | JP 2006-0534532 | 04.08.2006 | Legal status, Cited documents |
| 2 | B2 | JP 3913772 | 09.05.2007 | JP 2006-0534532 | 04.08.2006 | Legal status, Cited documents |
| 3 | B2 | US 7473838 | 06.01.2009 | US 2007-0783376 | 09.04.2007 | |
| 4 | A1 | US 2007192099 | 16.08.2007 | US 2007-0783376 | 09.04.2007 | |

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| [Publication number] | WO2007-023660 |
| [Date of request for examination] | 02.10.2006 |
| [Date of sending the examiner's decision of rejection] | |
| [Kind of final disposal of application other than the examiner's] | |
| [Date of final disposal for application] | |
| [Patent number] | 3913772 |
| [Date of registration] | 09.02.2007 |
| [Number of appeal against examiner's decision of rejection] | |
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- 2010/01/12 ・「平成21年度 企業の知的財産・法務担当者のための検索エキスパート研修 [上級] (第4回)」の受講者を募集します。
- 2009/12/28 ・特許審査官端末講習会開催のお知らせ
- 2009/12/16 ・札幌閲覧室移転のお知らせ
- 2009/12/01 ・「欧州和文抄録のデータを2007年公開分までのデータを蓄積し、公報テキスト

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番号種別

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| | |
|-----------|--|
| 出願記事 | 特許 平02-021210 (平2.1.31) 出願種別(通常) |
| 公開記事 | 平03-225650 (平3.10.4) |
| 発明の名称 | 光ディスクシステム |
| 出願人 | ソニー株式会社 |
| 発明・考案・創作者 | 渡辺 哲、青木 芳夫 |
| 公開・公表IPC | 国際分類 第5版
G11B 11/10 Z
G11B 7/00 X
G11B 7/135 Z
G11B 7/24 B |
| 出願細項目記事 | 査定種別(拒絶査定) |
| 審判記事登録記録 | 査定不服審判 平11-20343 請求日(平11.12.29) 審判(判定含む) 請求不成立 最終処分日(平16.11.11) |

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谢谢!

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