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公益讲座

www.cnipa.gov.cn/wxfw

专利信息检索资源与检索方法

国家知识产权局
专利检索咨询中心
2019年

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目录



引言



专利文献检索数据资源



专利信息检索类型与方法

第一部分 引言



- 什么是专利信息
- 为什么要重视专利信息
- 如何获取专利信息
- 影响专利检索的因素

引言——什么是专利信息？

• 由来

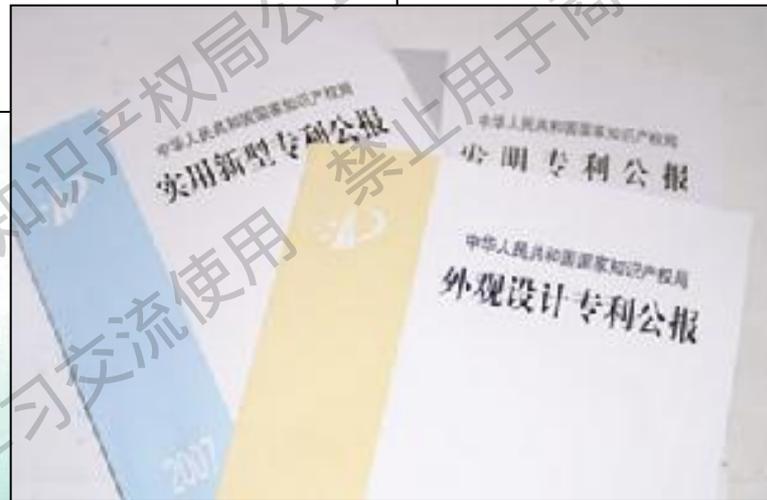
伴生于专利制度的产生
是专利活动的产物

• 内涵

表征专利保护客体的内涵信息
表征专利权利信息

• 组成

主要以文献信息形式存在
说明书、专利公报、文摘、索引、
分类资料等



引言——为什么要重视专利信息？

最新科技信息

信息量大



综合技术经济法律

结构化数据

战略管理

- 制定宏观战略
- 技术评估与预测
- 技术及产品引进与输出

技术研发

- 技术借鉴，提高研究起点
- 避免重复开发，浪费资源
- 课题立项或论文撰写

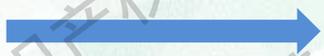
市场竞争

- 了解市场及竞争对手
- 申请专利，占领市场
- 风险规避，侵权预警

引言——如何获取专利信息？

有效利用专利信息的首要任务就是做好**专利检索**

专利检索：从浩瀚的专利信息中找到我想要的！



印刷信息为主体
手工检索为主要检索方法

因特网信息为主体
计算机检索为主要检索方法

引言——影响专利检索的因素



查全率和查准率



✓ 客观因素

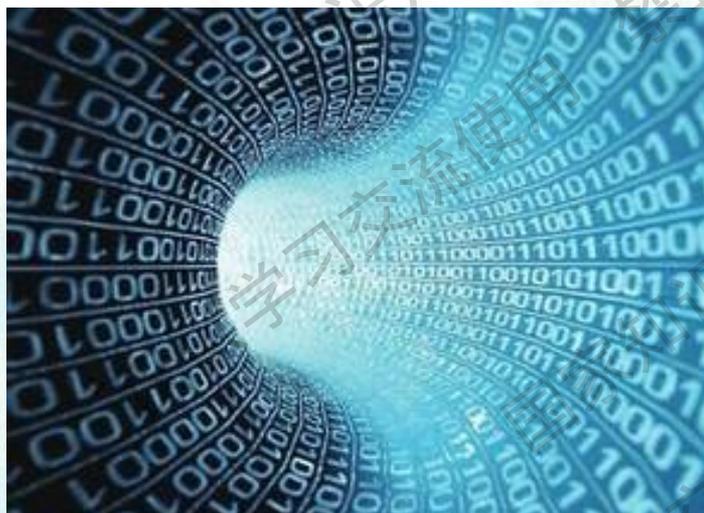
- 数据库
- 软件



✓ 主观因素

- 目的与种类
- 技术与策略
- 能力与经验

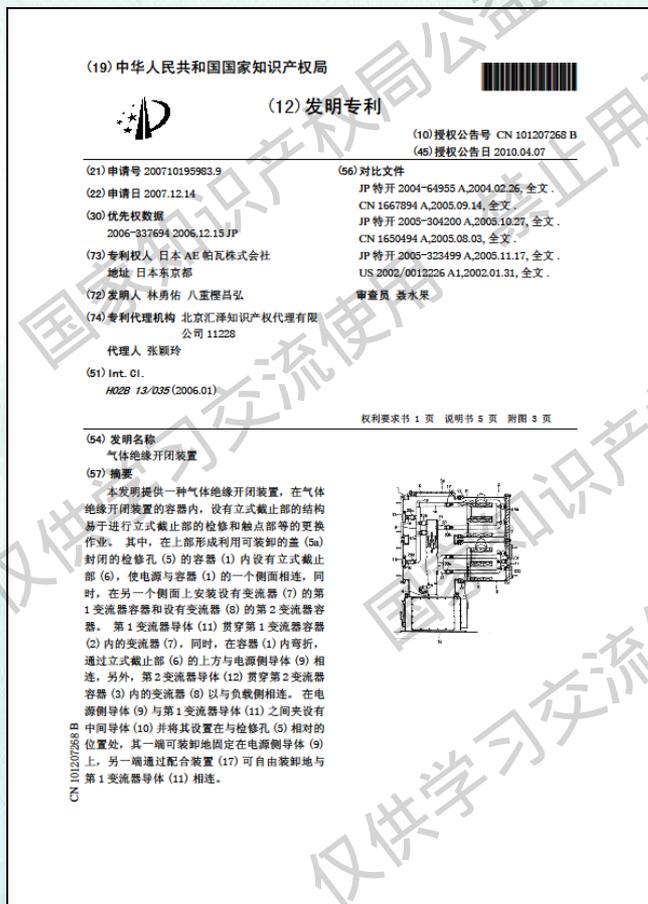
第二部分 专利文献检索数据资源



- 基础知识
- 公共专利文献数据资源
- 商业数据库

基础知识

专利记录与字段



专利记录



字段

• 专利信息检索入口

- 申请日
- 公开日
- 公告日
- 授权公告日

- 分类号
- 发明名称
- 摘要
- 关键词

号码

- 申请号
- 公开号
- 公告号
- 专利号

日期

相关人

- 专利申请人
- 专利权人
- 发明人
- 专利受让、转让人

技术主题

• 专利信息检索功能

➤ 逻辑组配检索功能

• “与”算符

交集 $A \cap B$

例如：发酵 and 酒

• “或”算符

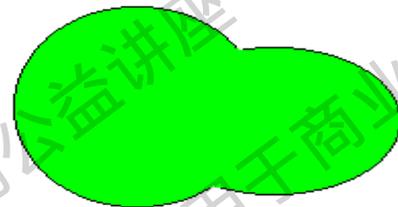
并集 $A \cup B$

例如：空气 or 气体

• “非”算符

差集 $\text{not } A$

例如：家畜 not 牛



• 专利信息检索功能

➤ 通配检索功能

截断检索

用截断符通配的字符串构成检索词进行检索
(一个截断符=任意数量的字符)

✓ drill截断符=drill, drilled, drilling等

强制检索

用强制符通配的字符串构成检索词进行检索
(一个强制符=一个字符)

✓ fu强制符ee=fuzee, fusee等

选择检索

用选择符通配的字符串构成检索词进行检索
(一个选择符=0到一个字符)

✓ pen选择符=pen, pens等

• 专利信息检索功能

➤ 位置检索功能

邻词检索

- 限定被检索词的位置关系

- ✓ Vitamin 邻词算符 B= Vitamin和B紧挨着

共存检索

- 限定被检索词同时存在于同一句话或同一段落

- ✓ apple 共存算符 tree=apple和tree同时存在于一句话或一个段落中

• 专利信息检索功能

➤ 范围检索功能

— 某一数值或日期检索字段内使用**大于**，**大于等于**，**小于**，**小于等于**，从···到···等运算符号检索

➤ 二次检索功能

— 在上一检索结果中再次限定检索



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- www.espacenet.com (欧专局, 世界90多个国家和两个组织专利检索)
- www.uspto.gov (美国专利/专利引文/法律状态检索)
- www.jpo.go.jp (日本专利检索, 法律状态检索)
- www.kipris.or.kr (韩国专利检索, 法律状态检索)

特别注意：

- 各国专利局网站常有改版，请定时关注
- 本次课程所涉截图网站登陆于2019年10月17日

公共数据资源

内部邮箱 English

国家知识产权局
NATIONAL INTELLECTUAL PROPERTY ADMINISTRATION, PRC

国家市场监督管理总局

站内搜索 搜索

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政务服务平台 »

习近平出席投运仪式并宣布北京大兴国际机场正式投入运营

习近平乘坐轨道列车前往机场 巡航航站楼 | 看望参与机场建设和运营的工作人员代表 | 韩正出席仪式并致辞

“不忘初心、牢记使命”主题教育

信息公开 相关法规 | 公开指南 | 公开目录 | 依申请公开 | 年度报告

时政要闻 国务院文件 知识产权工作 地方动态 媒体视点

- 申长雨应邀赴中央党校（国家行政学院）作报告 2019-09-25
- 国家知识产权局第六届集体婚礼圆满礼成 2019-09-25
- 深入开展消费扶贫 助力湖南桑植、河北崇礼打赢脱贫攻坚战 2019-09-25
- “中华人民共和国成立70周年”活动标志获得特殊标志保护 2019-09-20
- 国家知识产权局三个青年集体获评中央和国家机关青年文明号 2019-09-20
- 2019年度优化产业营商环境专利政策支撑分析项目启动会在京召开 2019-09-20
- “知识产权服务万里行”黑龙江站活动启动 2019-09-20

局领导 | 局领导信箱

专利 中国专利电子申请网 专利审批流程
PCT申请 专利检索 专利审查信息查询
专利事务服务 专利复审和无效

专利检索

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同意

退出

记住我的选择



常规检索



检索

检索模式：自动识别

支持二目逻辑运算符AND、OR。

多个检索词之间用空格间隔，如：智能 手机。

系统默认二目逻辑运算符是AND,如输入智能 手机，系统按照智能 AND 手机进行检索。

日期支持间隔符“-”、“.”，支持如下格式：YYYY-MM-DD、YYYY.MM.DD、YYYYMMDD、YYYYMM、YYYY。

支持半角()算符，如输入国产(智能 手机)，系统优先执行智能 AND 手机，然后将所得结果集与国产进行AND运算。

如果检索条件中包含空格、保留关键字或运算符，需使用半角双引号，如：“WILLIAMS AND LANE INC”。

常规检索

 检索

全选 **数据范围**

中国

- 中国发明申请
- 中国实用新型
- 中国外观设计
- 香港
- 澳门
- 台湾

主要国家/地区/组织

- EPO
- WIPO
- 美国
- 日本
- 韩国
- 英国
- 法国
- 德国
- 俄罗斯
- 瑞士

其他国家/地区/组织

- 奥地利
- 澳大利亚
- 比利时
- 荷兰
- 加拿大
- 西班牙
- 墨西哥

常规检索

检索式编辑区域

检索

- 自动识别
- 检索要素
- 申请号
- 公开(公告)号
- 申请(专利权)人
- 发明人
- 发明名称

如果 如果输入有空格,则需加英文双引号,如“沈阳 中国石油”;否则系统将按照沈阳 OR 中国石油检索。

如果 如果输入保留关键字(运算符),需要在保留关键字两边加英文的双引号。例如沈阳 “and” 中国石油、“(沈阳)”。

自动在标题、摘要、权利要求和分类号中检索

检索字段选择区域

公共数据资源

检索历史

检索式运算 检索式运算 执行

16 复合文本=(智能手机) 40030篇 2019-10-17 引用 检索	15 复合文本=(智能) AND 复... 83364篇 2019-09-26 引用 检索	6 复合号码=(CN20151064... 2篇 2017-09-12 引用 检索	暂无检索历史
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检索结果统计

搜索式 列表式 多图式 申请日降序 过滤

第 1 页 共 3336 页 40030 条数据

申请人统计
发明人统计
技术领域统计
申请日统计
公开日统计

一种比色荧光探针及其制备方法和应用 【公开】 同族: 0 引证: 0 被引: 0

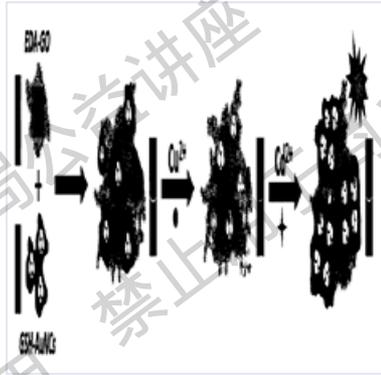
申请号: CN201910773485.0
申请日: 2019.08.21
公开(公告)号: CN110320195A
公开(公告)日: 2019.10.11
IPC分类号: G01N21/64;G01N21/78;
申请(专利权)人: 合肥工业大学;
发明人: 于少明;王海倩;蒋长龙;汤政涛;
代理人: 乔恒婷;
代理机构: 安徽省合肥新安专利代理有限责任公司 34101;

详览 收藏 + 分析库 申请人 法律状态

一种智能开关面板 【公开】 同族: 0 引证: 0 被引: 0

申请号: CN201910768527.1
申请日: 2019.08.20

操控按钮



公共数据资源



中文 | English | Français | Deutsch | русский | Español | Português | عربي | 日本語

常规检索

高级检索

导航检索

药物检索

热门工具

命令行检索

> 专利分析

仅供学习交流使用 国家知识产权局公益讲座 禁止用于商业用途

公共数据资源

范围筛选

中国：
中国发明专利 香港
中国实用新型 澳门
中国外观设计 台湾

主要国家和地区：
EPO WIPO 美国
日本 韩国 英国
法国 德国 俄罗斯
瑞士

其它国家和地区：
奥地利 澳大利亚
比利时 荷兰 加拿大

高级检索

[清除](#) [配置](#)

申请号	<input type="text"/>	申请日	=	<input type="text"/>
公开(公告)号	<input type="text"/>	公开(公告)日	=	<input type="text"/>
发明名称	<input type="text"/>	IPC分类号		<input type="text"/>
申请(专利权)人	<input type="text"/>	发明人		<input type="text"/>
优先权号	<input type="text"/>	优先权日	=	<input type="text"/>
摘要	<input type="text"/>	权利要求		<input type="text"/>
说明书	<input type="text"/>	关键词		<input type="text"/>

检索式编辑区

AND OR NOT () +

[扩展](#) [跨语言](#)

[生成检索式](#) [清空检索式](#) [检索](#)

公共数据资源

常规检索 高级检索 **导航检索** 药物检索 热门工具 命令行检索 > 专利分析

所在位置: 首页 >> 导航检索

A 人类生活必需;
B 部—作业; 运输;
C 化学; 冶金;
D 部—纺织; 造纸;
E 部—固定建筑物;
F 部—机械工程; 照明;
加热; 武器; 爆破;
G 物理;
H 部—电学;

分类号 中文含义 英文含义

A

查询

分类号:(鼠标悬停进行检索)

- A
- A01
- A21
- A22
- A23
- A24
- A41
- A42
- A43
- A44
- A45
- A46
- A47
- A61
- A62
- A63
- A99

CN 中文含义
人类生活必需;

EN 英文含义
HUMAN NECESSITIES;

公共数据资源

政策解读

图解

专题专栏



- 商标电子申请常见问题解答 2019-09-17
- 《关于新形势下加快建设知识产权信... 2019-09-12
- 关于制定《关于商标电子申请的规定... 2019-08-29
- 开展“蓝天”行动 加强代理监管 2019-05-29
- 2019年全国专利代理师资格考试常... 2019-05-23
- 商标法修改相关问题解读 2019-05-09

系统平台

国务院知识产权战略实施工作
部际联席会议办公室

国家知识产权战略网

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010-6235 6655



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中国商标网

中国地理标志网

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专利代办处

中国政府网

国务院部门网站

地方知识产权局网站

国外主要知识产权网站

人民网知识产权频道

中国打击侵权假冒工作网

重点产业专利信息服务平台

中央国家机关举报网站

国务院“放管服”改革专项督查专栏

公共数据资源

政策解读

图解

专题专栏



- 商标电子申请常见问题解答 2019-09-17
- 《关于新形势下加快建设知识产权信... 2019-09-12
- 关于制定《关于商标电子申请的规定... 2019-08-29
- 开展“蓝天”行动 加强代理监管 2019-05-29
- 2019年全国专利代理师资格考试常... 2019-05-23
- 商标法修改相关问题解读 2019-05-09

系统平台

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咨询台



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Inventor(s): POLKE MARTIN PROF DR [DE]; BALZER DIETRICH PROF DR ING [DE]; LEIBNITZ ERICH DIPL ING [DE]; BAER ALEXANDER DIPL ING [DE]; CYBULENSKI BURKHARD DIPL ING [DE]; RICHTER KARL DIPL ING [DE] ±

Applicant(s): ELPRO AG [DE] ±

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Application number: [DE19934331431](#) 19930913

Priority number(s): DE19934331431 19930913

Also published as: → [AT188930 \(T\)](#) [EP0719224 \(A1\)](#) [EP0719224 \(B1\)](#) [WO9507832 \(A1\)](#)

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Original claims

Claims tree

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1. Verkehrsleiteinrichtung zur Steuerung des Fahrbetriebes und des Verkehrsablaufes einschliesslich der Transportlogistik für den schienengebundenen Verkehr mit folgenden Merkmalen:

1. Die Verkehrsleiteinrichtung ist rechnerunterstützt und hierarchisch aufgebaut und ist insbesondere geeignet für eingleisige Strecken und für den Regionalverkehr, wobei

1.1 die unterste, prozessnahe Ebene aus "sicheren" Fahrzeugrechnern, die auf jedem Fahrzeug (F1, F2) angeordnet sind,

1.2 die mittlere, 1. übergeordnete Ebene aus einem "sicheren" Steuerrechner und

1.3 die oberste, übergeordnete Ebene aus einem Leitreechner, der nicht in die Streckensicherung und den Fahrbetrieb eingreift, besteht.

2. Es erfolgt eine Echtzeiterfassung von Fahrzeugdaten, wie

2.1 Standort, Fahrtrichtung, Geschwindigkeit

2.2 durch Satellitenortung und/oder ortsfeste Informationspunkte (1-12) und

2.3 fahrzeugspezifischer Daten,

2.4 sowie die Sicherung

2.4.1 der Strecken,

2.4.2 des Fahrbetriebes und

2.4.3 der Transportlogistik.

3. Die "sicheren" Fahrzeugrechner haben die Funktion,



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CLAIMS DE4331431

1.

Traffic control device for controlling the driving operation and the traffic flow including the transport logistics for the rail-bound traffic with the following features:

1. The Verkehrsleiteinrichtung is computer-aided and hierarchical structure and is particularly suitable for single-track and for regional traffic, said

1.1 the lowest, process-level level of "safe" vehicle computers, which are arranged on each vehicle (F1, F2),

1.2 the middle, 1st parent level from a "secure" tax calculator and

1.3 the upper, higher level consists of a master computer, which does not intervene in the line safety and the driving operation exists.

2.

There is a real-time recording of vehicle data, such as

2.1 Location, direction of travel, speed

2.2 by satellite positioning and / or fixed information points (1-12) and

2.3 vehicle-specific data,

2.4 as well as the fuse

2.4.1 the routes,

2.4.2 of driving and

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United States Patent
Goth, et al.

6,923,014
August 2, 2005

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System for cooling multiple logic molecules

Abstract

An exemplary embodiment is a cooling system for cooling multiple logic modules. The cooling system includes a condenser, a first electrically controlled expansion valve coupled to the condenser and a first evaporator coupled to the first electrically controlled expansion valve. A second electrically controlled expansion valve is coupled to the condenser and a second evaporator coupled to the second electrically controlled expansion valve. A controller provides control signals to the first electrically controlled expansion valve and the second electrically controlled expansion valve to control operation of the first electrically controlled expansion valve and the second electrically controlled expansion valve. A compressor is coupled to the first evaporator, the second evaporator and the condenser.

Inventors: Goth; Gary F. (Pleasant Valley, NY), Kearney; Daniel J. (Ulster Park, NY), Makowicki; Robert P. (Staatsburg, NY), McClafferty; W. David (Gardiner, NY), Porter; Donald W. (Highland, NY)
Assignee: International Business Machines Corporation (Armonk, NY)
Family ID: 34217934
Appl. No.: 10/653,633
Filed: September 2, 2003

Current U.S. Class: 62/259.2; 165/80.4; 361/699; 62/211; 62/407
Current CPC Class: F25B 5/02 (20130101); F25B 2341/0653 (20130101); F25B 2700/2116 (20130101); F25B 2700/21161 (20130101); F25B 2700/21163 (20130101); F25B 2700/2117 (20130101); F25B 2700/21174 (20130101); F25B 2700/21175 (20130101); Y02B 30/72 (20130101); F25B 5/02 (20060101); F25B 5/00 (20060101); F25D 023/12 (20060101); F25D 259.2; 407,408,211,210,204 ;361/699;165/80.4,104.33
Current International Class:
Field of Search:

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US006923014B2

(12) **United States Patent**
Goth et al.

(10) Patent No.: **US 6,923,014 B2**
(45) Date of Patent: **Aug. 2, 2005**

(54) **SYSTEM FOR COOLING MULTIPLE LOGIC MOLECULES**

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(75) Inventors: **Gary F. Goth**, Pleasant Valley, NY (US); **Daniel J. Kearney**, Ulster Park, NY (US); **Robert P. Makowicki**, Staatsburg, NY (US); **W. David McClafferty**, Gardiner, NY (US); **Donald W. Porter**, Highland, NY (US)

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Primary Examiner—Melvin Jones
(74) Attorney, Agent, or Firm—Floyd A. Gonzalez; Cantor Colburn LLP

(73) Assignee: **International Business Machines Corporation**, Armonk, NY (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(6) by 155 days.

(57) **ABSTRACT**

An exemplary embodiment is a cooling system for cooling multiple logic modules. The cooling system includes a condenser, a first electrically controlled expansion valve coupled to the condenser and a first evaporator coupled to the first electrically controlled expansion valve. A second electrically controlled expansion valve is coupled to the condenser and a second evaporator coupled to the second electrically controlled expansion valve. A controller provides control signals to the first electrically controlled expansion valve and the second electrically controlled expansion valve to control operation of the first electrically controlled expansion valve and the second electrically controlled expansion valve.

(21) Appl. No.: **10/653,633**

(22) Filed: **Sep. 2, 2003**

(65) **Prior Publication Data**

US 2005/0044869 A1 Mar. 3, 2005

(51) Int. Cl.⁷ **F25D 23/12**

(52) U.S. Cl. **62/259.2**; 62/211; 62/407; 165/80.4; 361/699

(58) Field of Search 62/259.2, 407, 62/408, 211, 210, 204; 361/699; 165/80.4, 104.33

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JP 专利检索

JP,2019-175482,A

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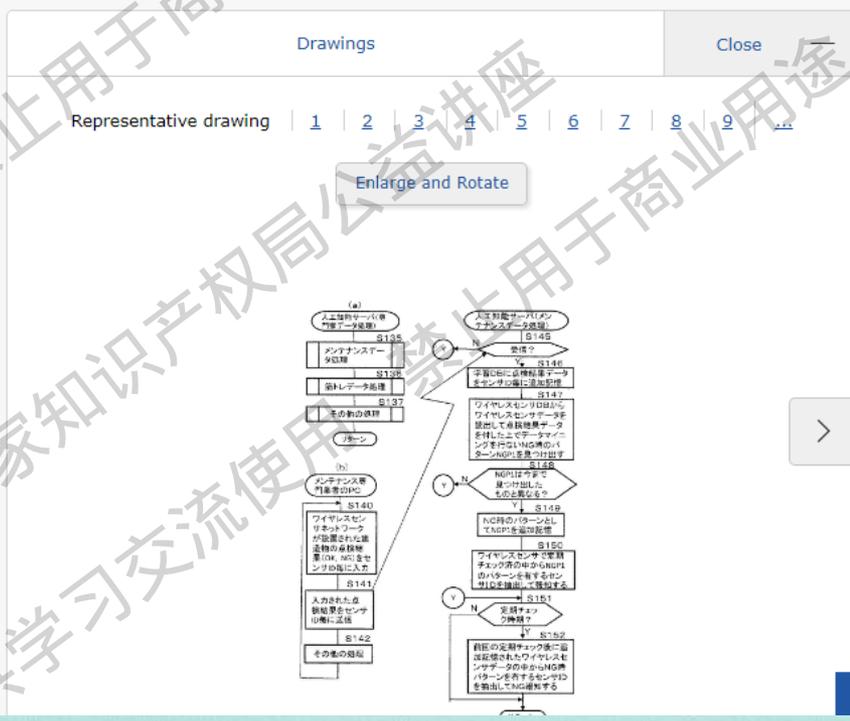
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Overview	Open	+
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Detailed Description	Open	+
Drawings	Open	+
Written amendment	Open	+



PatentsApplication 2018-060572 [Publication2019-174200](#)

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- History Records
- Application Information**

Application Information Close

<p>Articles on application</p> <p>Articles on publication</p> <p>Articles on applicants/representatives</p> <p>Articles on inventors and creators</p> <p>Articles on FI</p> <p>Articles on theme code</p> <p>Articles on F-term</p>	<p>Patents 2018-060572 (Mar.27,2018) Application type(Normal)</p> <p>2019-174200 (Oct.10,2019) Total number of issues(892) Annual number of issues(190041) Class of publication(0601)</p> <p>Applicant Minato-ku, Tokyo Metropolis (510241915) ** Japan Incorporated company</p> <p>Representative Number of target applicants(1) Representative in Japan Patent attorney (100120868) ABIKO, Gen</p> <p>Minato-ku, Tokyo Metropolis, Naoki Noro</p> <p>Minato-ku, Tokyo Metropolis A Yoshihiro Taka common</p> <p>Minato-ku, Tokyo Metropolis Ando **</p> <p>G01N21/27A</p> <p>2G059</p> <p>2G059 AA05</p> <p>2G059 BB08</p> <p>2G059 BB12</p> <p>2G059 BB15</p> <p>2G059 EE12</p> <p>2G059 FF01</p> <p>2G059 II06</p>
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(51) Int. Cl.

B 6 1 L 29/00

(2006.01)

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B 6 1 L 29/00

A

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審査官 今井 貞雄

最終頁に続く

(54) 【発明の名称】 踏切危険度判別プログラム及びシステム

(57) 【特許請求の範囲】

【請求項1】

踏切の危険度を判別するための踏切危険度判別プログラムにおいて、

踏切内において撮影された参照用画像情報と、当該参照用画像情報の撮影時点における当該踏切への電車の参照用接近情報と、当該参照用画像情報の撮影時点における上記踏切を横断する移動体の横断頻度を示す参照用横断頻度との組み合わせと、当該組み合わせに対する踏切の危険度との3段階以上の連関度を予め取得する連関度取得ステップと、

上記踏切において新たに危険度を判別する際に、新たに踏切内の画像を撮影することにより画像情報を取得するとともに、当該撮影時点における当該踏切への移動体の横断頻度を求め、当該撮影時点における当該踏切への電車の接近情報を取得する情報取得ステップ、

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- [행사안내] 2019제주 청년DREAM취업박람회 & IP... 09.30
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Registered [1] SUPPORTING DEVICE FOR DISPLAY UNIT(디스플레이장치용 지지장치) **PUB** ⇨

Application No.(Date) : 10201500...
IPC : H04N 5/655 H04N 5/645 H04N 5/65 G06F 1/16
Applicant : JITECH.CO.LTD
Right holder(current) : JITECH.CO.LTD

KPA (Korea Patent Abstract) Disclosed is a supporting apparatus for a display device. The supporting apparatus for a display device according to the present invention comprises: a wall-fixed unit which is fixed to a wall; a first arm which is coupled to a front surface of the wall-fixed unit to be rotatable in a horizontal direction; a joint member which is coupled to a free end of the first arm to be rotatable in a horizontal direction; a second arm which is coupled to the joint member to be rotatable in a vertical direction; a third arm which is coupled to a free end of the second arm to be rotatable in a

Unexamined [2] Method and apparatus for allocating transmission time for bi-directional relay(양방향 릴레이를 위한 전송 시간 할당 방법 및 그 장치) **PUB** ⇨

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디스플레이장치용 지지장치

Details | **Publ. Full Text** | Registr. Details | Administrative

Details | Biographical Information | Legal Status | Claim | Designated States | Citation | Family Patent

(51) Int. CL H04N 5/655(2006.01.01) H04N 5/645(2006.01.01) H04N 5/65(2006.01.01) G06F 1/16(2006.01.01)

(52) CPC H04N 5/65(2013.01) H04N 5/655(2013.01) G06F 1/1607(2013.01) H04N 5/645(2013.01)

(21) Application No.(Date) 1020150020787 (2015.02.11)

(71) Applicant JITECH CO.,LTD

(11) Registration No.(Date) 1015251670000 (2015.05.27)

(65) Unex. Pub. No.(Date)

(11) Publication No.(Date) (2015.06.02)

(86) Int'l Application No.(Date)

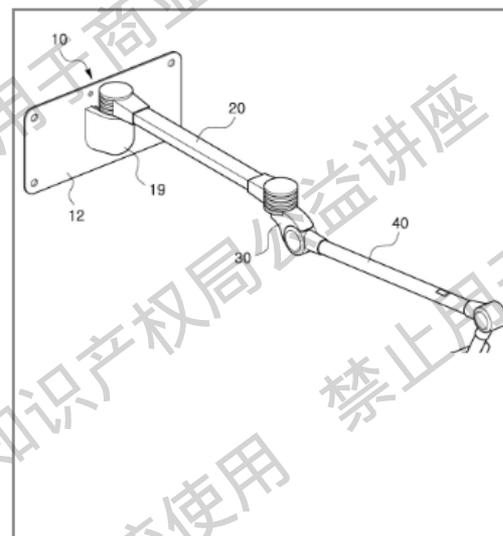
(87) Int'l Unex. Pub. No.(Date)

(30) Priority info. KR(대한민국) | 1020150012324 | 2015.01.26
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Patent Registration Number 10-1525167-0000

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Indication Number

Details

No.1

Application Date : 2015. 02. 11
Date of Priority Claim : 2015. 01. 26
Country of Priority Claim : Republic of Korea
Issue Date : 2015. 06. 02
Date of Decision to Grant Registration (Trial Decision) : 2015. 05. 21
Classification : H04N 5/655
Title of Invention : SUPPORTING DEVICE FOR DISPLAY UNIT
(Expected)Date of Expiration : 2035. 02. 11

Application Number : 10-2015-0020787
Number of Priority Claims : 1
Publication Number :
Number of Claims : 5

2015. 05. 27 Registration

Patentee Information

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SUPPORTING DEVICE FOR DISPLAY UNIT

디스플레이장치용 지지장치

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Administrative Actions

No.	Document Title	Receipt/Delivery Date	Status	Receipt/Delivery No.
1	[Patent Application] Patent Application ([특허출원]특허출원서)	2015.02.11	Accepted (수리)	112015014457966
2	[Request for Preferential Examination] Request for Examination (Request for Preferential Examination) ([우선심사신청]심사청구(우선심사신청)서)	2015.02.11	Accepted (수리)	112015014735617
3	Request for Prior Art Search (선행기술조사뢰서)	2015.03.05	Accepted (수리)	919999999999989
4	[Amendment to Patent Application, etc.] Amendment ([출원서등 보정]보정서)	2015.03.17	Accepted (수리)	112015025973028
5	Report of Prior Art Search (선행기술조사보고서)	2015.03.19	Accepted (수리)	912015002036391
6	Notification of reason for refusal (의견제출통지서)	2015.03.26	Completion of Transmission (발송처리완료)	952015020448707
7	[Amendment to Description, etc.] Amendment ([명세서등 보정]보정서)	2015.04.02	Regarded as an acceptance of amendment (보정승인간주)	112015032612239
8	[Opinion according to the Notification of Reasons for Refusal] Written Opinion(Written Reply, Written Substantiation) ([거절이유 등 통지에 따른 의견]의견(답변, 소명)서)	2015.04.02	Accepted (수리)	112015032612385
9	Decision to grant (등록결정서)	2015.05.21	Completion of Transmission (발송처리완료)	952015033800231
10	[Patent-Registration Fee] Payment Form ([설정 특허·등록료]납부서)	2015.05.27	Accepted (수리)	212015030919069

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机器翻译

SUPPORTING DEVICE FOR DISPLAY UNIT

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등록특허 10-1525167



(19) 대한민국특허청(KR)

(12) 등록특허공보(B1)

(45) 공고일자 2015년06월02일

(11) 등록번호 10-1525167

(24) 등록일자 2015년05월27일

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HO4N 5/64 (2006.01)
- (52) CPC특허분류
HO4N 5/655 (2013.01)
G06F 1/16 (2013.01)
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- (22) 출원일자 2015년02월11일
심사청구일자 2015년02월11일
- (30) 우선권주장
1020150012324 2015년01월26일 대한민국(KR)
- (56) 선행기술조사문헌
JP2012134851 A
KR1020090030401 A
KR200326987 Y1
KR1020090076759 A

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- (74) 대리인
특허법인세원

전체 청구항 수 : 총 5 항

심사관 : 김희주

(54) 발명의 명칭 디스플레이장치용 지지장치

Bibliographic Data

Int.Cl.	H04N 5/655 G06F 1/16 H04N 5/645 H04N 5/65
Published Date	20150602
Registration No.	1015251670000
Registration Date	20150527
Application No.	1020150020787
Application Date	20150211
Priority Claims	1020150012324 20150126 KR
Requested Date of Examination	20150211
Agent.	SeWON Patent Law Firm
Inventor	KIMDONGUN
Applicant	JITECH.CO.LTD
Rightholder	JITECH.CO.LTD

발명의 명칭

디스플레이장치용 지지장치

Title of Invention

SURPORTING DEVICE FOR DISPLAY UNIT

요약

디스플레이장치용 지지장치가 개시된다. 본 발명의 디스플레이장치용 지지장치는, 벽에 고정되는 벽 고정부; 상기 벽 고정부의 전면에 좌우 방향으로 회전 가능하게 결합되는 제1 암; 상기 제1 암의 자유단에 좌우 방향 회전 가능하게 결합되는 관절부재; 상기 관절부재에 상하 방향으로 회전 가능하게 결합되는 제2 암; 상기 제2 암의 자유단에 상하 방향으로 회전 가능하게 결합되며 디스플레이장치가 장착되는 제3 암; 및 상기 제1 암과 상기 관절부재는, 상기 제1 암과 상기 제2 암이 일직선상에 놓여져 있는 경우 척력을 발생시켜 상기 제2 암에서 제1 암 방향으로 작용하는 힘에 의해 상기 제1 암과 제2 암의 회전 조작이 원활하게 이루어질 수 있도록 마련되는 척력발생부를 포함하는 것을 특징으로 한다.

Abstract

The display apparatus supporting device is disclosed. It comprises the wall fixing unit in which the display apparatus supporting device of the invention is fixed to wall; the first arm which is rotatably coupled in the front side of the wall fixing unit to the left and right; the joint part material which is rotatably coupled in the free boundary of the first arm the left and right; and the repulsive force generating unit in which the third arm; the first arm and joint part material which is rotatably coupled in the free boundary of the second arm; second arm which is rotatably coupled in the joint part material the top and bottom the top and bottom and in which the display device is mounted are prepared so that the rotation operation of the second arm and the first arm is smoothly made with the power acting the repulsive force in which the first arm and the second arm are placed on the straight line in the generate and the second arm the first arm.

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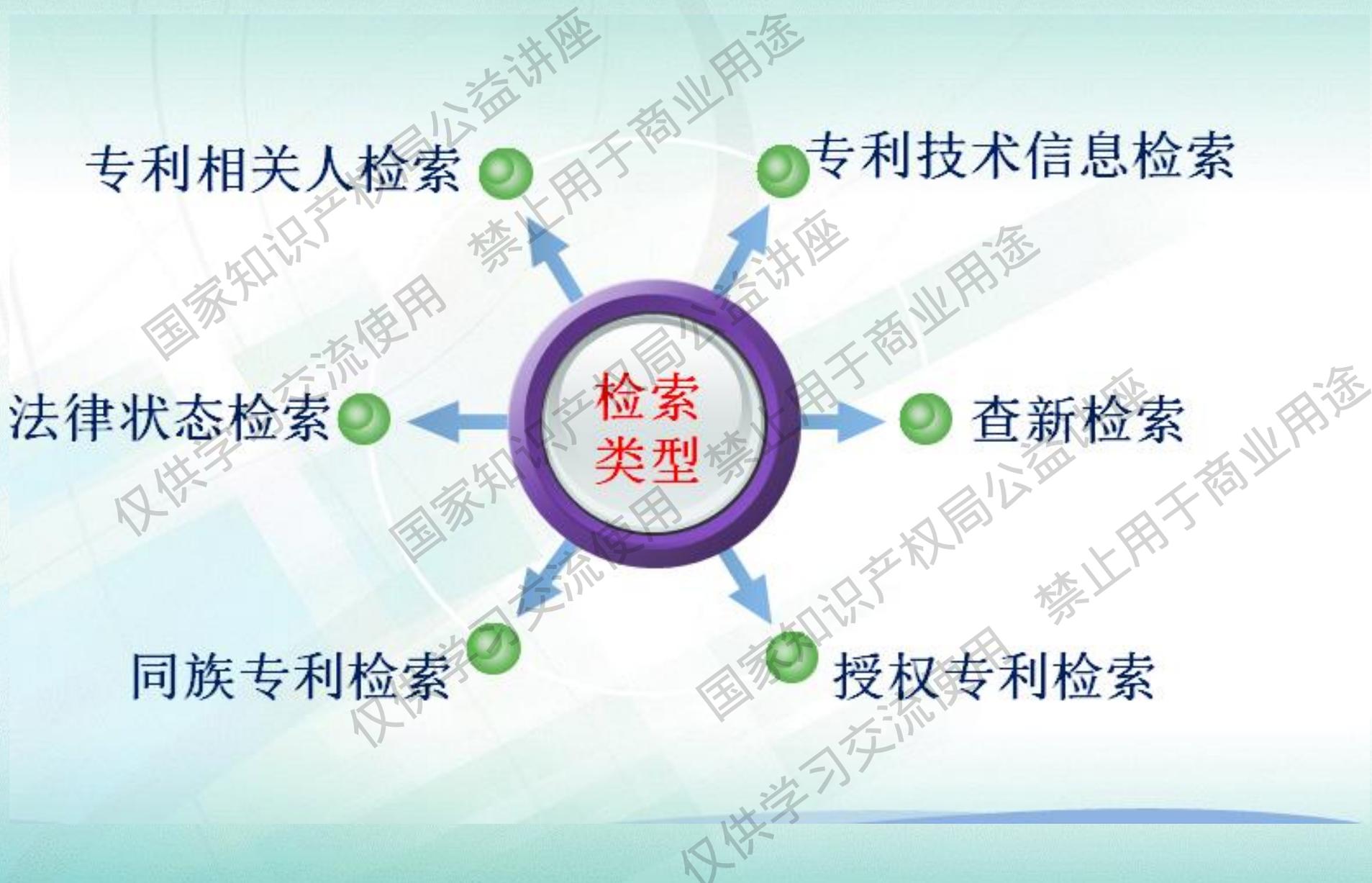
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找到某一技术主题相关的专利文献，重点在于**查全**

➤ 应用范围

洞察技术发展趋势，预测技术发展动向及时了解最新技术研究进展

避免重复研究和开发，寻求技术解决方案

➤ 主要检索入口

主题词，分类号



• 查新/授权专利检索

➤ 检索目的

对专利/专利申请/尚未申请专利的技术，进行世界范围的专利检索和非专利文献检索，评价该技术的新颖性和创造性

➤ 应用范围

避免重复研究和开发

预判授权前景，帮助专利申请前的决策

侵权诉讼与无效宣告的证据

指导专利维护与运用

➤ 主要检索入口

主题词，分类号，发明人，申请人



• 同族专利检索

➤ 检索目的

查找具有相同主题的技术在哪些国家或地区申请了专利

➤ 应用范围

确定专利技术保护区域

了解专利权人市场动向

寻找技术区域分布空白点

避免海外侵权风险

➤ 主要检索入口

申请号，公开/公告号



• 法律状态检索

➤ 检索目的

确定当前某一专利或专利申请的确切法律状态，了解专利是否有效、专利权人变更及保护期限等信息

➤ 应用范围

任何涉及专利的运营活动的法律保障

确定自身侵权行为的基础

➤ 主要检索入口

申请号，公开/公告号



• 专利相关人检索

➤ 检索目的

查找某一申请人/专利权人/发明人的全部专利

➤ 应用范围

了解竞争情报

人才与技术引进

➤ 主要检索入口

申请人，发明人，专利权人



专利检索一般方法与步骤

明确检索目的



分析检索主题



确定检索入口及要素



选定检索系统和/
数据库



构建检索式



浏览结果、调整策略

专利检索一般方法与步骤

明确检索目的

- ✓ 研发前技术、经济、法律信息的收集，避免重复研究
- ✓ 评价专利申请授权的可能性
- ✓ 避免侵权风险；被控侵权时证据的获得
- ✓ 专利分析、专利导航、企业知识产权战略规划



确定检索类型

专利检索一般方法与步骤

分析检索主题



确定检索要素及入口

- ◆ 阅读理解申请文件或技术交底书的技术方案及其他相关信息
- ◆ 核对申请的分类号并确定检索的技术领域
- ◆ 确定基本的检索要素，表达基本的检索要素
- ◆ 确定检索的入口

专利检索一般方法与步骤

分析检索主题



确定检索要素及入口

检索要素	要素1	要素2	要素n	其他
要素名称	要素1名称	要素2名称	要素n名称	要素以外的主题
主题词	与要素1相关的中英文关键词、同义词、近义词	与要素2相关的中英文关键词、同义词、近义词	与要素n相关的中英文关键词、同义词、近义词	需要排除的词、或者是其他主题
IPC 分类号	与要素1相关的IPC分类号	与要素2相关的IPC分类号	与要素n相关的IPC分类号	需要排除的IPC分类号
	与要素1、2、n相关的IPC分类号			

透

仅供学

专利检索一般方法与步骤

选定检索系统和/
数据库



构建检索式

- ◆ 根据前面确定的检索入口选择合适的检索系统和/或数据库
- ◆ 构建检索式：结合检索目的，构建不同的检索式，包括使用逻辑组配、通配检索、位置检索、范围检索

浏览结果、调整策略

- 检索结果浏览，选择合适的对比文件
- 当结果不能满足要求时调整检索策略—放大或缩小检索范围；减少或增加主题词；减少或增加同义词、近义词；分类号的调整；逻辑关系的调整等

感谢聆听!

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仅供学习交流使用 禁止用于商业用途

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