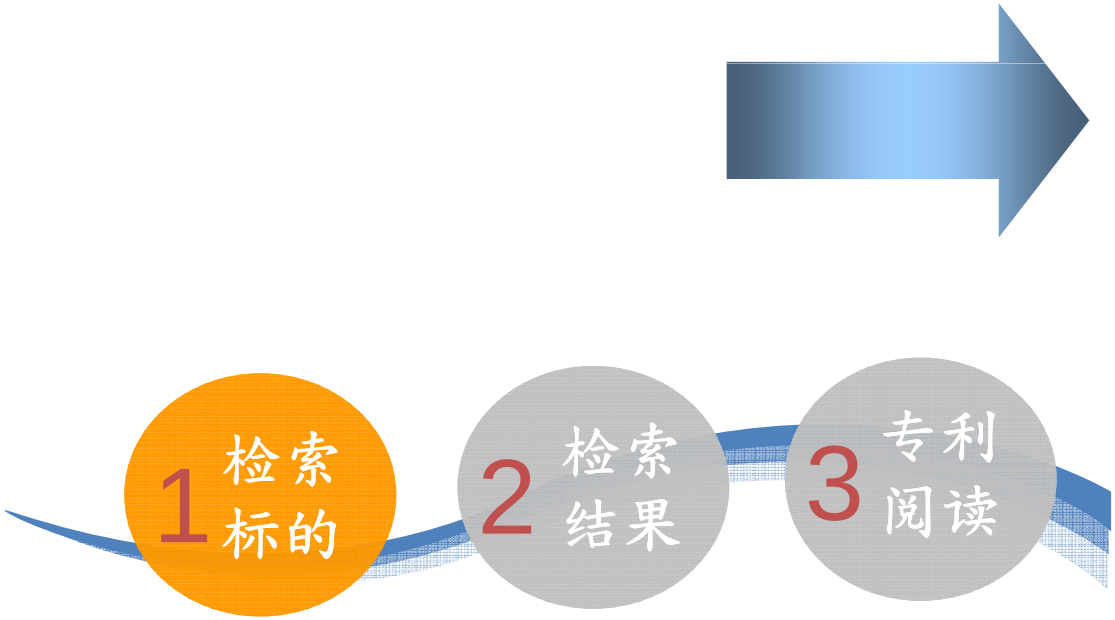
袋鼠专利检索-使用指南

1.检索标的



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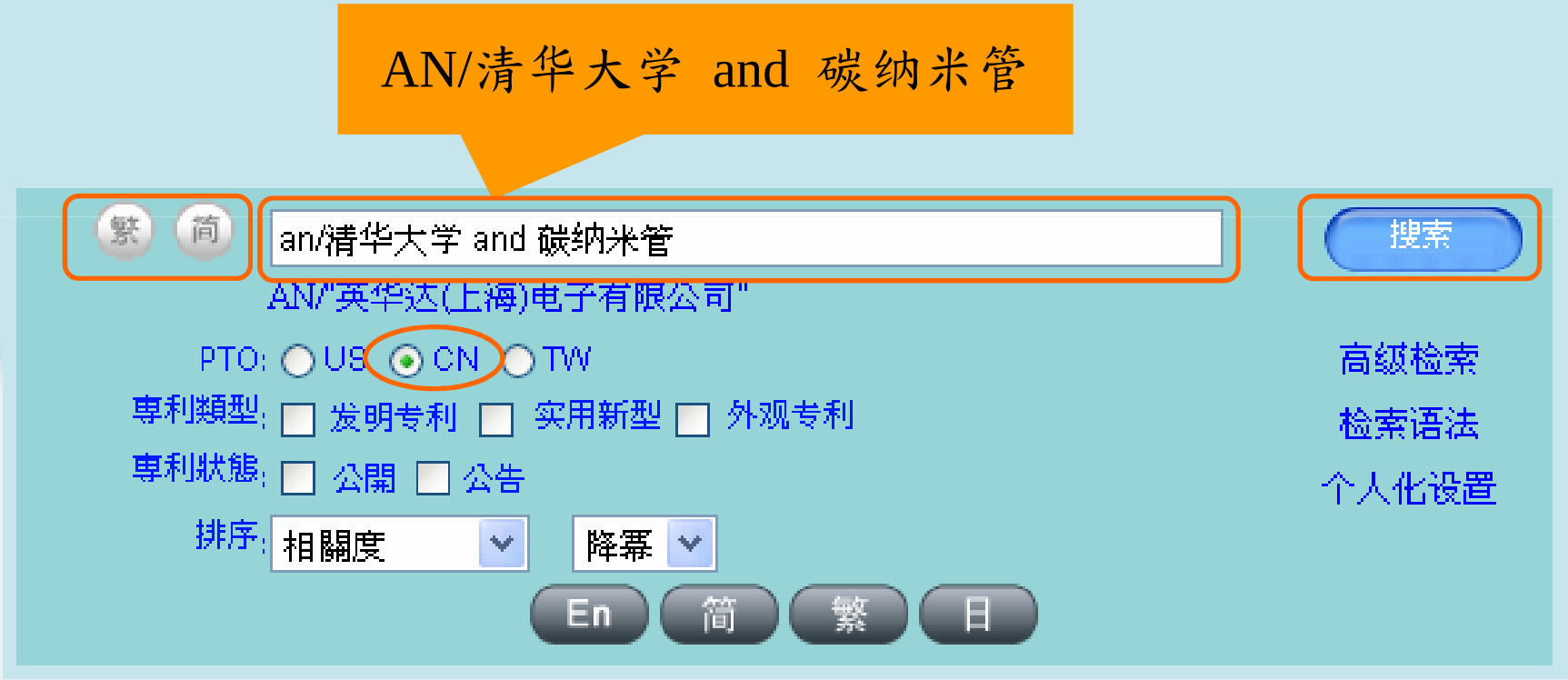
检索标的范例(1)

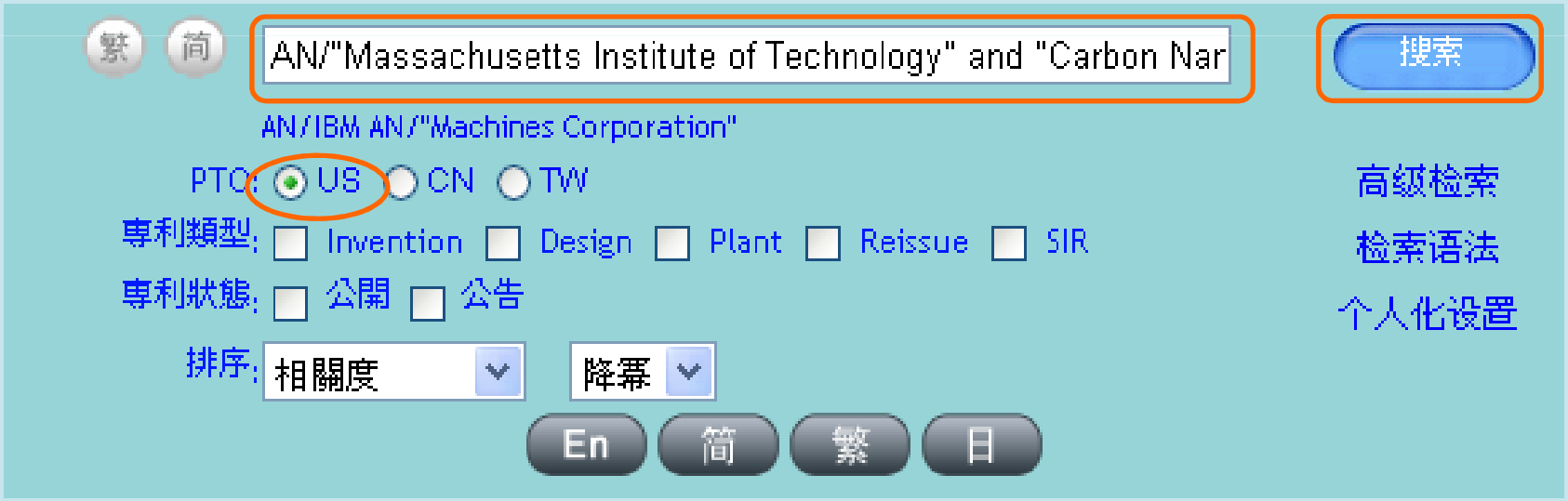
- 检索清华大学在碳纳米管(Carbon Nanotube)领域的中国专利布局



检索标的范例(2)

- 分析**MIT**在碳纳米管(Carbon Nanotube)领域的美国公告专利布局

AN/“Massachusetts Institute of Technology” and “Carbon Nanotube”



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1. 高级检索

- 用户可使用高级检索进行专利检索，高级检索可选择专利局、专利状态、输入搜寻条件及日期

2.语法参考- 依专利号检索

- 依美国专利号检索时，不需输入**US00**，如检索专利号US007029751，则直接输入PN/7029751

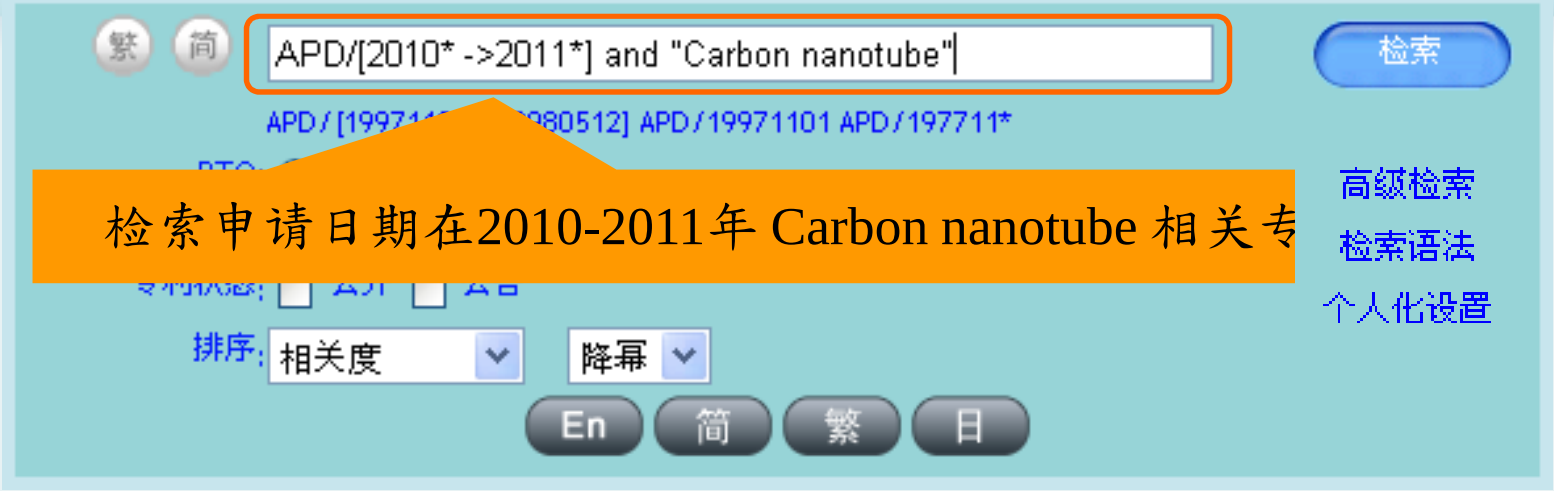
PN	US	PN/20030143372	PN/(D618677 or D558757)
	CN	PN/200720066498.7	PN/ 2007200664*
	TW	PN/232571	

2.语法参考-通用符号、惯用语

- 通用符号包含*及?

通用符號	說明	檢索語法
*	可代表0~多個字元	Ex. PN/6816* Ex. AN/Microso* Ex. ISD/[19971101->199805*]
?	可代表0 or 1個字元 *可同時輸入多個	Ex. PN/681687? Ex. AN/Micros?f? Ex. ISD/[19971101->1998051?]

- 专利中若出现惯用语，可使用"双引号"进行检索



2.语法参考-依日期检索

- 针对公告日/申请日/公开日进行日期检索
- 日期检索常搭配着通用符号*

Ex. **ISD/[19971101 -> 19980512]**	→公告日期在1997/11/01~1998/05/512的專利
Ex. **ISD/[19971101 -> 199805*]**	→公告日期在1997/11/01~1998/05/31的專利
Ex. **APD/[1997* -> 1998*]**	→申請日期在1997/01/01~1998/12/31的專利
Ex. **APD/199711***	→申請日期在1997年11月的專利
Ex. **PD/19971101**	→公開日是1997年11月1日的專利

2. 语法参考下载

1.語法參考列表

(*表示與美國專利局相同的欄目名)

名稱(中文)	名稱(英文)	簡稱	範例
專利名稱	*Patent Name	TTL	TTL/"Carbon nanotubes"
專利摘要	*Abstract	ABST	ABST/fuel ABST/"fuel injection"
權利要求	*Claim	ACLM	ACLM/tele ACLM/"data visualuzation"
專利描述	*Description/Specification	SPEC	SPEC/"artificial sugar" SPEC/ (tele or Wireless)
專利號	*Patent Number	PN	PN/6816875 PN/68168*
公開號	*Document Number	DN	DN/1465226 DN/1465*
申請號	*Application Number	APN	APN/"11/217,170"
專利權人	*Assignee Name	AN	AN/IBM AN /" International Business Machines Corporation "
專利權人地址	Assignee Address	ANAD	ANAD/"union,nj" ANAD/"CN"
專利權人國家	*Assignee Country	CAN	ACN/CN ACN/(CN or US)
發明人	*Inventor Name	IN	IN/"Seymour Schlosberg"
發明人地址	Inventor Address	INAD	INAD/"East Brunswick"
發明人國家	*Inventor Country	ICN	ICN/CN ICN/(CN or US)

3. 个人化设置

- 用户在输入完检索标的，可点击”个人化设置”来设定进入检索结果页面的呈现字段，以及汇出Excel的专利信息字段。

条列显示字段设定

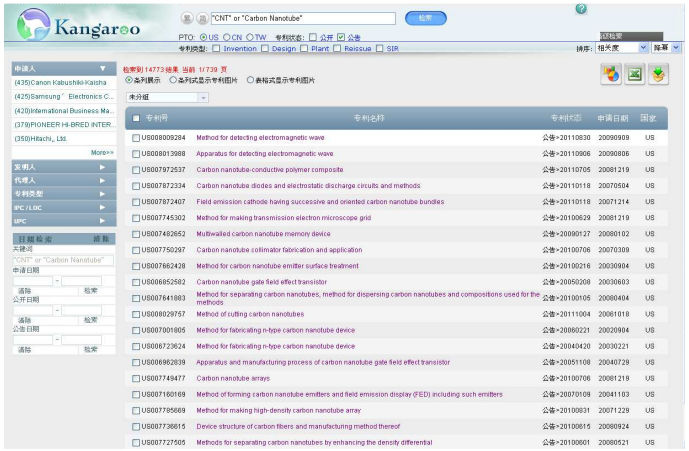
条列式显示专利图片

表格式显示专利图片

Excel汇出字段设定

输入检索标的

进入检索结果页面...



1 检索标的

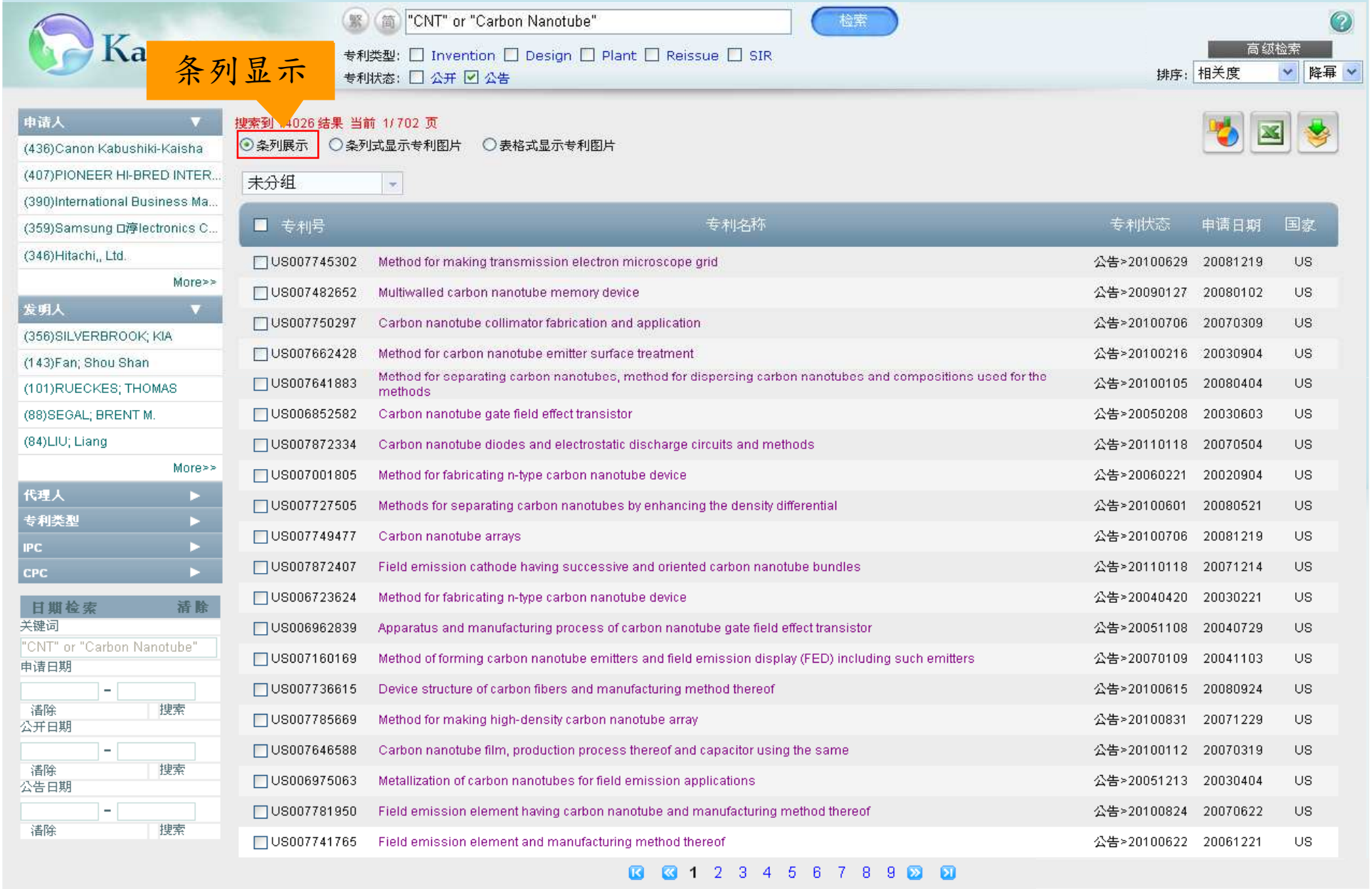
2 检索结果

3 专利阅读

Kangaroo 操作说明

1.检索结果

专利检索结果多样化呈现



专利检索结果多样化呈现

Kangaroo

"CNT" or "Carbon Nanotube"

检索

高级检索

排序：相关度 降幂

条列式显示专利图片

ant Reissue SIR

申请人

(436)Canon Kabushiki-Kaisha

(407)PIONEER HI-BRED INTER...

(390)International Business Ma...

(359)Samsung 口淳lectronics C...

(346)Hitachi,, Ltd.

More>>

发明人

(356)SILVERBROOK; KIA

(143)Fan; Shou Shan

(101)RUECKES; THOMAS

(88)SEGAL; BRENT M.

(84)LIU; Liang

More>>

代理人

专利类型

IPC

CPC

日期检索 清除

关键词

"CNT" or "Carbon Nanotube"

申请日期

清除 搜索

公开日期

清除 搜索

公告日期

清除 搜索

搜索到 14026 结果 当前 1/ 702 页

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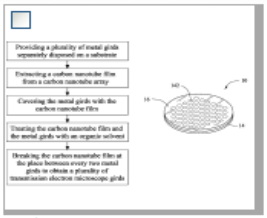


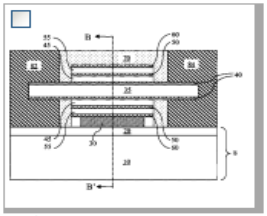
Method for making transmission electron microscope grid

US007745302 US Invention

申请号： 12/339,337

A method for making transmission electron microscope gird is provided. An array of carbon nanotubes is provided and drawing a carbon nanotube film from the array of carbon nanotubes. A substrate has a plurality of spaced metal girds attached on the substrate. The metal girds are covered with the carbon nanotube film and treating the carbon nanotube film and the metal girds with organic solvent. A transmission electron microscope (TEM) grid is obtained by removing remaining CNT film.

公告 >20081219>20100629



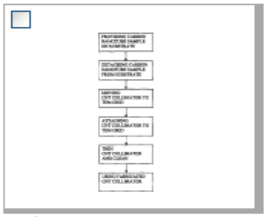
Multiwalled carbon nanotube memory device

US007482652 US Invention

申请号： 11/968,416

A carbon nanotube based memory device comprises a set of three concentric carbon nanotubes having different diameters. The diameters of the three concentric carbon nanotubes are selected such that an inner carbon nanotube is semiconducting, and intershell electron transport occurs between adjacent carbon nanotubes. Source and drain contacts are made to the inner carbon nanotube, and a gate contact is made to the outer carbon nanotube. The carbon nanotube based memory device is programmed by storing electrons or holes in the middle carbon nanotube through intershell electron transport. Changes in conductance of the inner carbon nanotube due to the charge in the middle shell are detected to determine the charge state of the middle carbon nanotube. Thus, the carbon nanotube based memory device stores information in the middle carbon nanotube in the form of electrical charge.

公告 >20080102>20090127



Carbon nanotube collimator fabrication and application

US007750297 US Invention

申请号： 11/716,258

Apparatus, methods, systems and devices for fabricating individual CNT collimators. Micron size fiber coated CNT samples are synthesized with chemical vapor deposition method and then the individual CNT collimators are fabricated with focused ion beam technique. Unfocused electron beams are successfully propagated through the CNT collimators. The CNT nano-collimators are used for applications including single ion implantation and in high-energy physics, and allow rapid, reliable testing of the transmission of CNT arrays for transport of molecules.

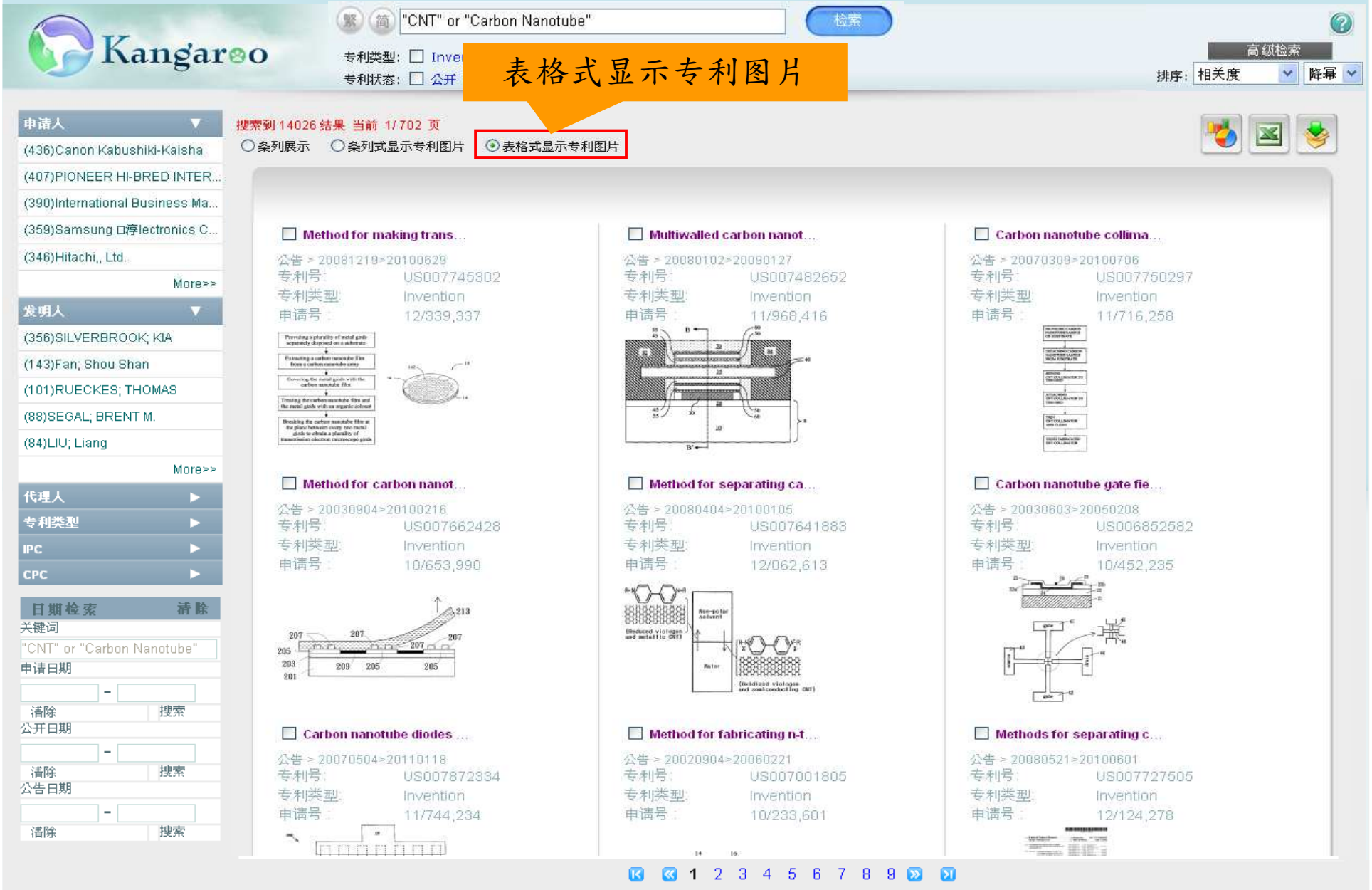
公告 >20070309>20100706

Method for carbon nanotube emitter surface treatment

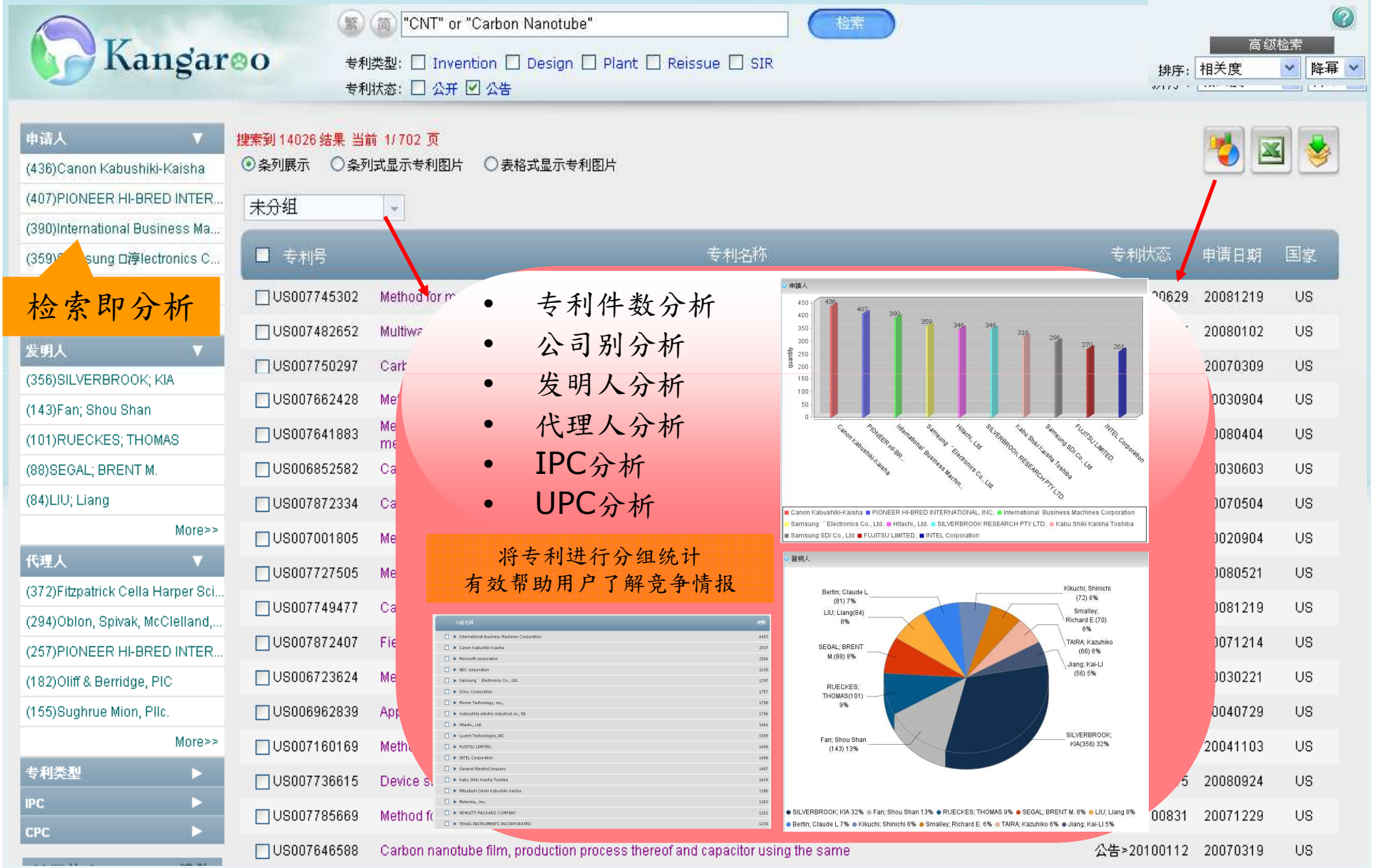
US007662428 US Invention

1 2 3 4 5 6 7 8 9

专利检索结果多样化呈现



专利检索结果分析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"CNT" or "Carbon Nanotube"
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申请人
(436)Canon Kabushiki-Kaisha
(407)PIONEER HI-BRED INTER...
(390)International Business Ma...
检索即分析
发明人
(356)SILVERBROOK; KIA
(143)Fan; Shou Shan
(101)RUECKES; THOMAS
(88)SEGAL; BRENT M.
(84)LIU; Liang
More>>
代理人
(372)Fitzpatrick Cella Harper Sci...
(294)Oblon, Spivak, McClelland,...
(257)PIONEER HI-BRED INTER...
(182)Oliff & Berridge, PIC
(155)Sughrue Mion, Pllc.
More>>
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CPC
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US007749477
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US007160169
US007736615
US007785669
US007646588
Carbon nanotube film, production process thereof and capacitor using the same
公告>20100112
20070319
US
专件件数分析
公司别分析
发明人分析
代理人分析
IPC分析
UPC分析
将专利进行分组统计
有效帮助用户了解竞争情报

专利检索结果分组


Kangaroo
"CNT" or "Carbon Nanotube"
检索
专利类型: Invention Design Plant Reissue SIR
高级检索
排序: 相关度 降幂
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申请人
(436)Canon Kabushiki-Kaisha
(407)PIONEER HI-BRED INTER...
(390)International Business Ma...
(359)Samsung 口淳lectronics C...
(346)Hitachi,, Ltd.
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发明人
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专利类型
IPC
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日期检索 清除
关键词
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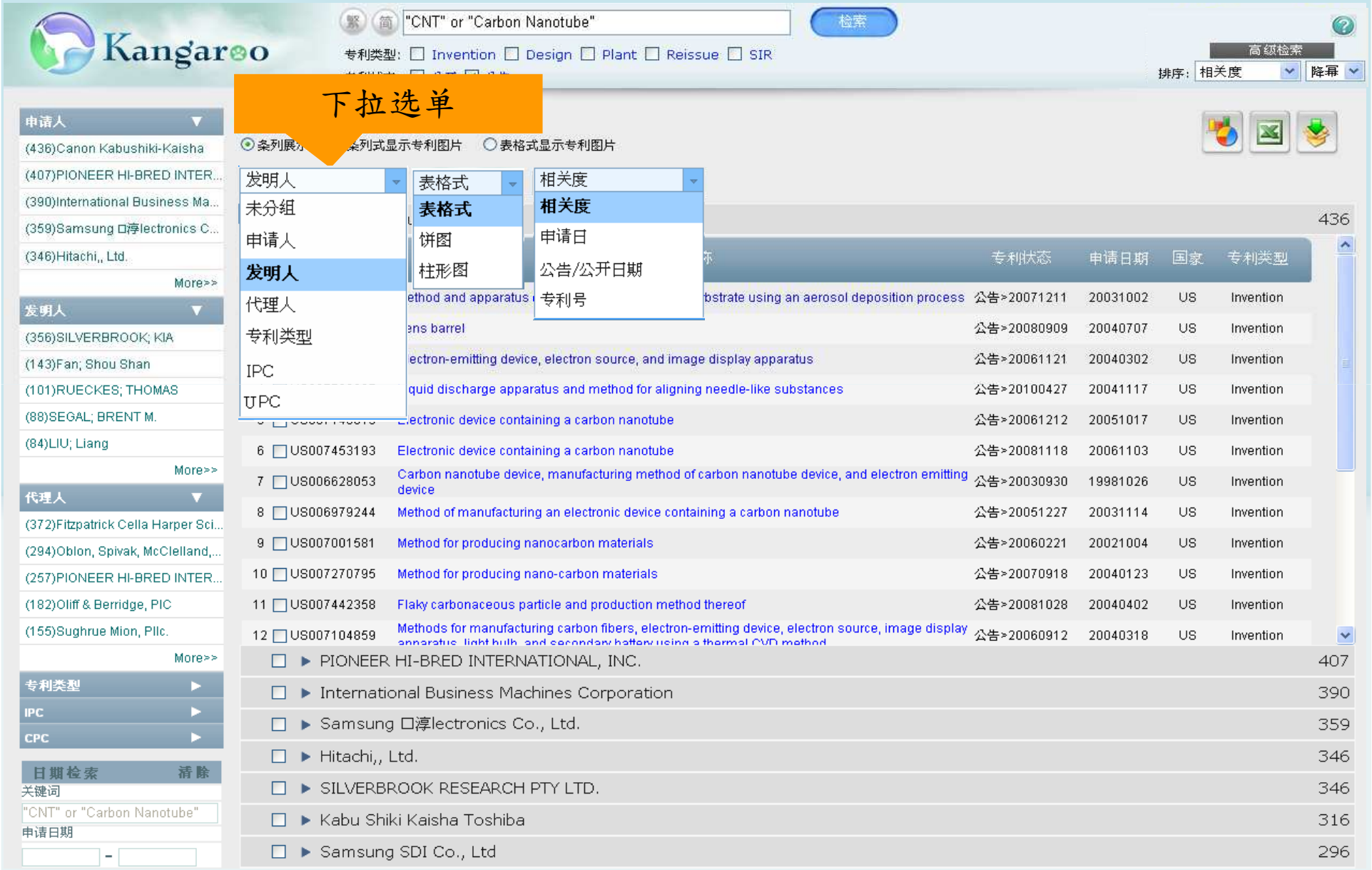
申请日期
条列展示
表格式显示专利图片
表格式显示专利图片
申请人
表格式
相关度
Canon Kabushiki-Kaisha 436
专利号 专利名称 专利状态 申请日期 国家 专利类型
1 US007306503 Method and apparatus of fixing carbon fibers on a substrate using an aerosol deposition process 公告>20071211 20031002 US Invention
2 US007423823 Lens barrel 公告>20080909 20040707 US Invention
3 US007138759 Electron-emitting device, electron source, and image display apparatus 公告>20061121 20040302 US Invention
4 US007703697 Liquid discharge apparatus and method for aligning needle-like substances 公告>20100427 20041117 US Invention
5 US007148619 Electronic device containing a carbon nanotube 公告>20061212 20051017 US Invention
6 US007453193 Electronic device containing a carbon nanotube 公告>20081118 20061103 US Invention
7 US006628053 Carbon nanotube device, manufacturing method of carbon nanotube device, and electron emitting device 公告>20030930 19981026 US Invention
8 US006979244 Method of manufacturing an electronic device containing a carbon nanotube 公告>20051227 20031114 US Invention
9 US007001581 Method for producing nanocarbon materials 公告>20060221 20021004 US Invention
10 US007270795 Method for producing nano-carbon materials 公告>20070918 20040123 US Invention
11 US007442358 Flaky carbonaceous particle and production method thereof 公告>20081028 20040402 US Invention
12 US007104859 Methods for manufacturing carbon fibers, electron-emitting device, electron source, image display 公告>20060912 20040318 US Invention
PIONEER HI-BRED INTERNATIONAL, INC. 407
International Business Machines Corporation 390
Samsung 口淳lectronics Co., Ltd. 359
Hitachi,, Ltd. 346
SILVERBROOK RESEARCH PTY LTD. 346
Kabu Shiki Kaisha Toshiba 316
Samsung SDI Co., Ltd 296

专利检索结果分组


Kangaroo
"CNT" or "Carbon Nanotube"
检索
专利类型: Invention Design Plant Reissue SIR
高级检索
排序: 相关度 降幂
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(407)PIONEER HI-BRED INTER...
(390)International Business Ma...
(359)Samsung 口淳lectronics C...
(346)Hitachi,, Ltd.
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(257)PIONEER HI-BRED INTER...
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IPC
CPC
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表格式显示专利图片
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IPC
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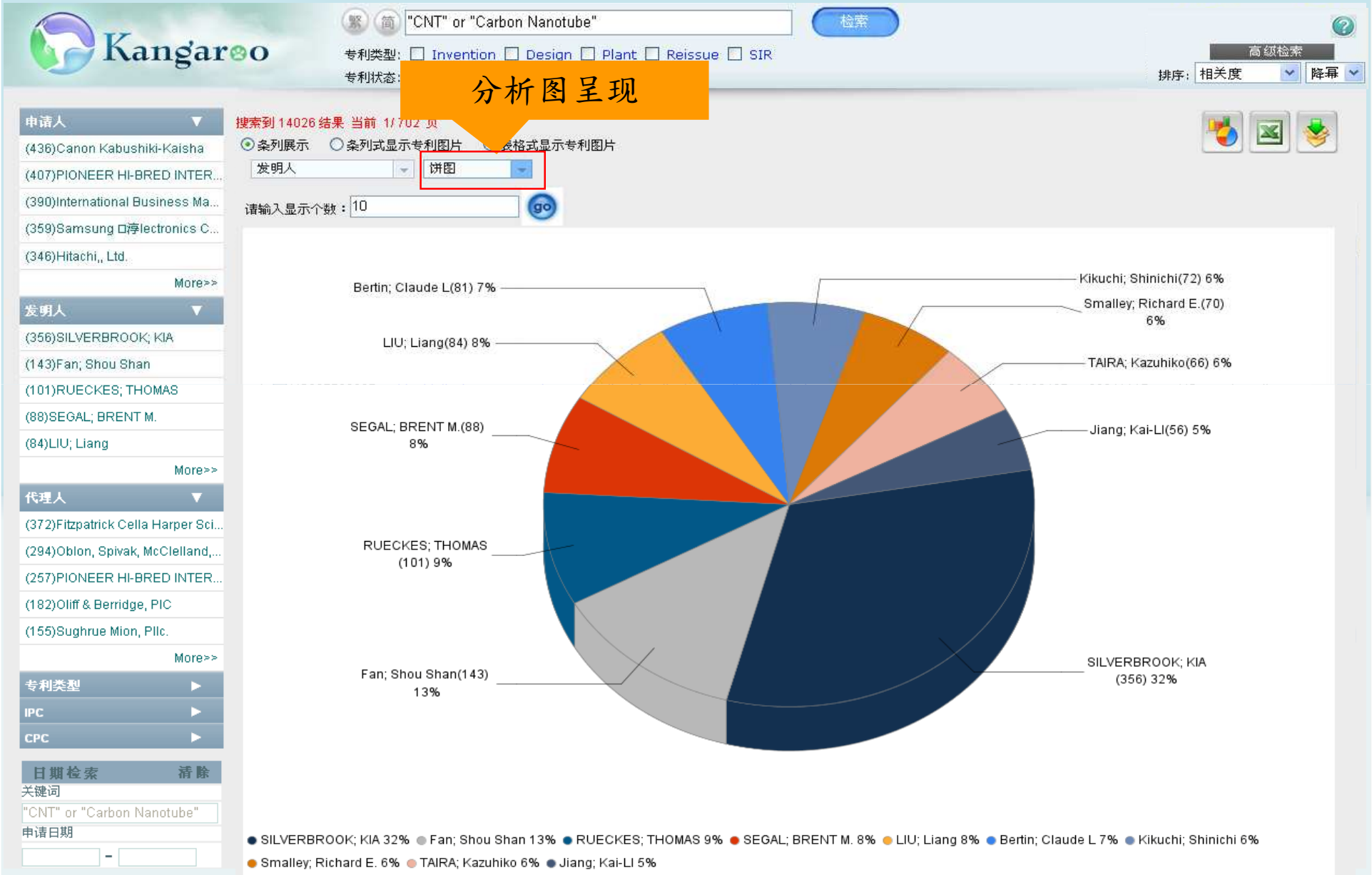
Hitachi,, Ltd. 346
SILVERBROOK RESEARCH PTY LTD. 346
Kabu Shiki Kaisha Toshiba 316
Samsung SDI Co., Ltd 296

专利检索结果分组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"CNT" or "Carbon Nanotube"
检索
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专利状态:
高级检索
排序: 相关度 降幂
分析图呈现
申请人
(436)Canon Kabushiki-Kaisha
(407)PIONEER HI-BRED INTER...
(390)International Business Ma...
(359)Samsung 口淳lectronics C...
(346)Hitachi,, Ltd.
More>>
发明人
(356)SILVERBROOK; KIA
(143)Fan; Shou Shan
(101)RUECKES; THOMAS
(88)SEGAL; BRENT M.
(84)LIU; Liang
More>>
代理人
(372)Fitzpatrick Cella Harper Sci...
(294)Oblon, Spivak, McClelland,...
(257)PIONEER HI-BRED INTER...
(182)Oliff & Berridge, PIC
(155)Sughrue Mion, Pllc.
More>>
专利类型
IPC
CPC
日期检索 清除
关键词
"CNT" or "Carbon Nanotube"
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饼图
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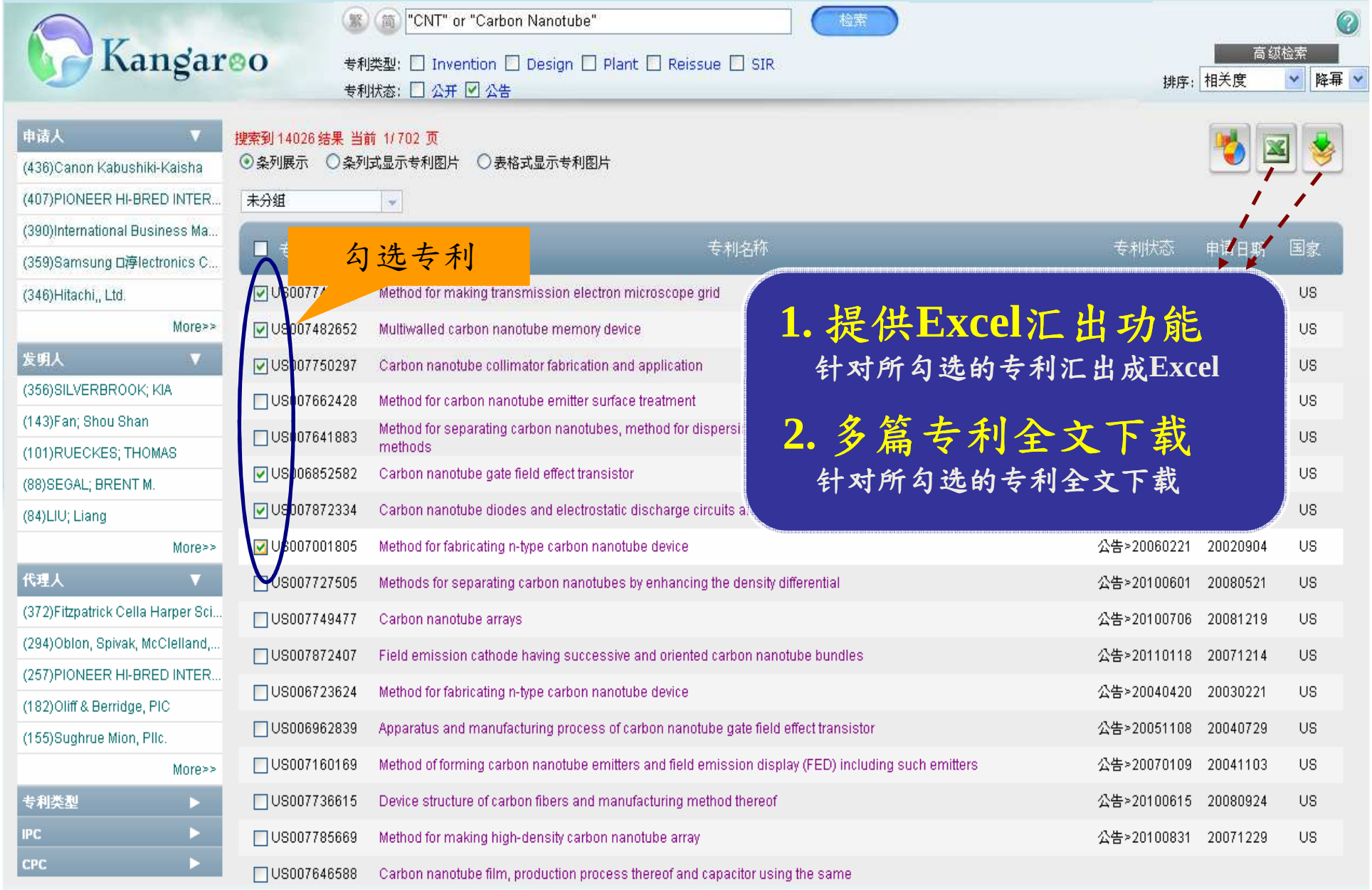
Bertin; Claude L(81) 7%
Kikuchi; Shinichi(72) 6%
Smalley; Richard E.(70) 6%
LIU; Liang(84) 8%
TAIRA; Kazuhiko(66) 6%
SEGAL; BRENT M.(88) 8%
Jiang; Kai-LI(56) 5%
RUECKES; THOMAS (101) 9%
SILVERBROOK; KIA (356) 32%
Fan; Shou Shan(143) 13%
SILVERBROOK; KIA 32%
Fan; Shou Shan 13%
RUECKES; THOMAS 9%
SEGAL; BRENT M. 8%
LIU; Liang 8%
Bertin; Claude L 7%
Kikuchi; Shinichi 6%
Smalley; Richard E. 6%
TAIRA; Kazuhiko 6%
Jiang; Kai-LI 5%

专利检索结果下载


Kangaroo
"CNT" or "Carbon Nanotube"
检索
高级检索
专利类型: Invention Design Plant Reissue SIR
专利状态: 公开 公告
排序: 相关度 降幂
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More>>
发明人
(356)SILVERBROOK; KIA
(143)Fan; Shou Shan
(101)RUECKES; THOMAS
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More>>
代理人
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(257)PIONEER HI-BRED INTER...
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(155)Sughrue Mion, Pllc.
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Method for making transmission electron microscope grid US
US007482652 Multiwalled carbon nanotube memory device US
US007750297 Carbon nanotube collimator fabrication and application US
US007662428 Method for carbon nanotube emitter surface treatment US
US007641883 Method for separating carbon nanotubes, method for dispersi methods US
US006852582 Carbon nanotube gate field effect transistor US
US007872334 Carbon nanotube diodes and electrostatic discharge circuits a US
US007001805 Method for fabricating n-type carbon nanotube device 公告>20060221 20020904 US
US007727505 Methods for separating carbon nanotubes by enhancing the density differential 公告>20100601 20080521 US
US007749477 Carbon nanotube arrays 公告>20100706 20081219 US
US007872407 Field emission cathode having successive and oriented carbon nanotube bundles 公告>20110118 20071214 US
US006723624 Method for fabricating n-type carbon nanotube device 公告>20040420 20030221 US
US006962839 Apparatus and manufacturing process of carbon nanotube gate field effect transistor 公告>20051108 20040729 US
US007160169 Method of forming carbon nanotube emitters and field emission display (FED) including such emitters 公告>20070109 20041103 US
US007736615 Device structure of carbon fibers and manufacturing method thereof 公告>20100615 20080924 US
US007785669 Method for making high-density carbon nanotube array 公告>20100831 20071229 US
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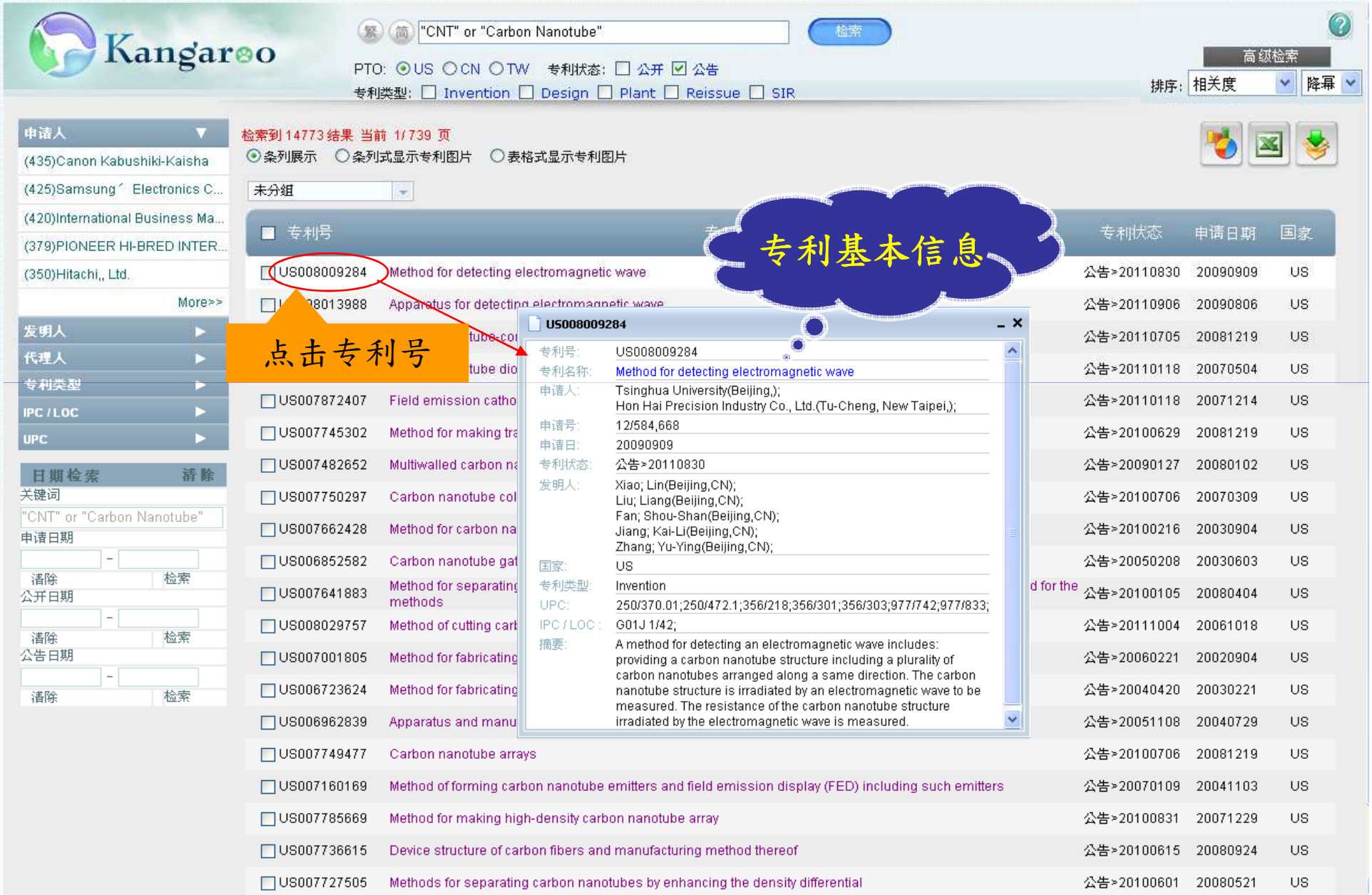
Kangaroo
"CNT" or "Carbon Nanotube"
检索
高级检索
PTO: US CN TW 专利状态: 公开 公告
专利类型: Invention Design Plant Reissue SIR
排序: 相关度 降幂
申请人
(435)Canon Kabushiki-Kaisha
(425)Samsung Electronics C...
(420)International Business Ma...
(379)PIONEER HI-BRED INTER...
(350)Hitachi,, Ltd.
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代理人
专利类型
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UPC
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US007872407 Field emission catho 公告>20110118 20071214 US
US007745302 Method for making tra 公告>20100629 20081219 US
US007482652 Multiwalled carbon na 公告>20090127 20080102 US
US007750297 Carbon nanotube col 公告>20100706 20070309 US
US007662428 Method for carbon na 公告>20100216 20030904 US
US006852582 Carbon nanotube gat 公告>20050208 20030603 US
US007641883 Method for separating methods 公告>20100105 20080404 US
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US007001805 Method for fabricating 公告>20060221 20020904 US
US006723624 Method for fabricating 公告>20040420 20030221 US
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US007736615 Device structure of carbon fibers and manufacturing method thereof 公告>20100615 20080924 US
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专利基本信息
US008009284
专利号: US008009284
专利名称: Method for detecting electromagnetic wave
申请人: Tsinghua University(Beijing,); Hon Hai Precision Industry Co., Ltd.(Tu-Cheng, New Taipei,);
申请号: 12/584,668
申请日: 20090909
专利状态: 公告>20110830
发明人: Xiao; Lin(Beijing,CN); Liu; Liang(Beijing,CN); Fan; Shou-Shan(Beijing,CN); Jiang; Kai-Li(Beijing,CN); Zhang; Yu-Ying(Beijing,CN);
国家: US
专利类型: Invention
UPC: 250/370.01;250/472.1;356/218;356/301;356/303;977/742;977/833;
IPC / LOC: G01J 1/42;
摘要: A method for detecting an electromagnetic wave includes: providing a carbon nanotube structure including a plurality of carbon nanotubes arranged along a same direction. The carbon nanotube structure is irradiated by an electromagnetic wave to be measured. The resistance of the carbon nanotube structure irradiated by the electromagnetic wave is measured.

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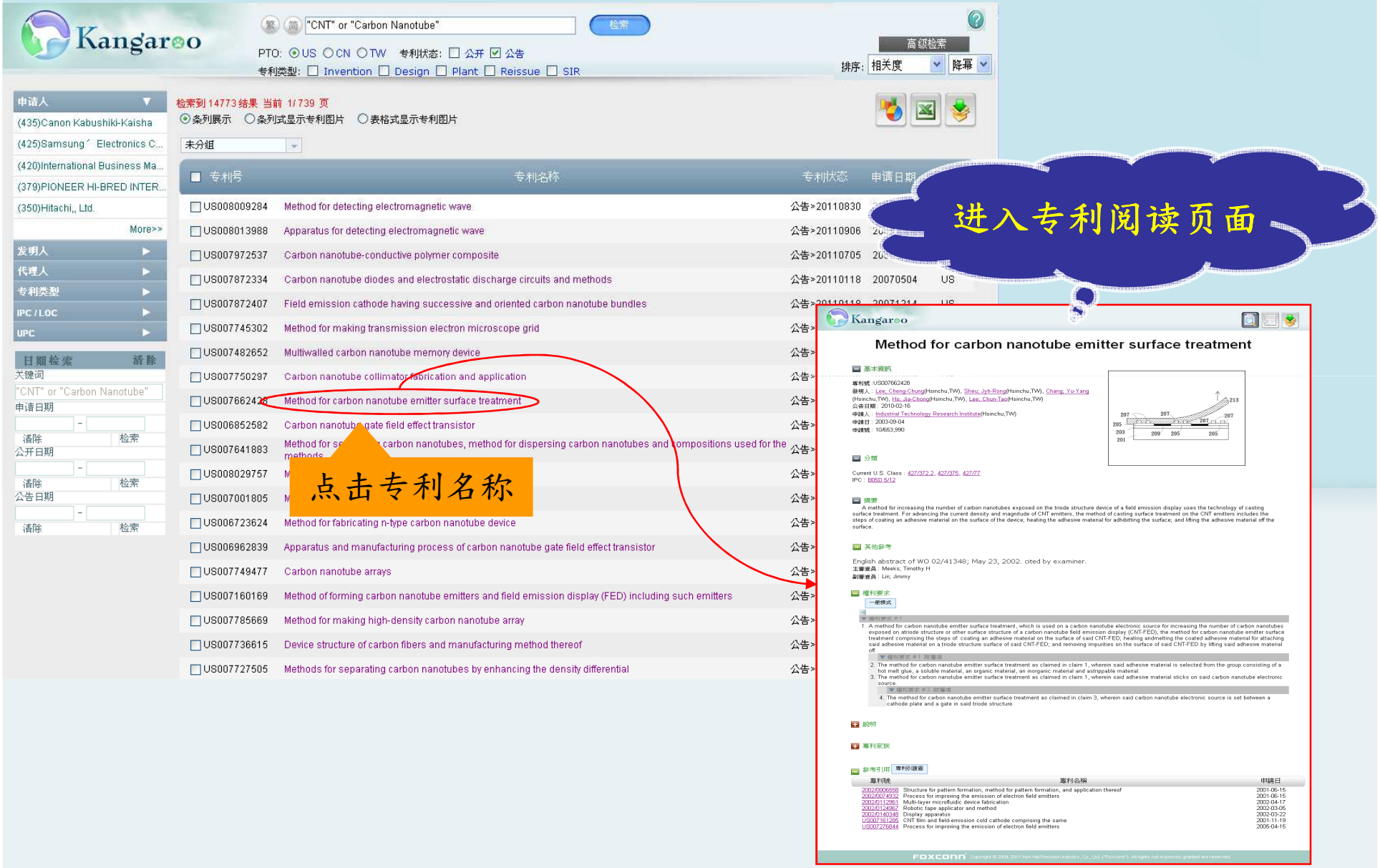
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"CNT" or "Carbon Nanotube"
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US008013988 Apparatus for detecting electromagnetic wave 公告>20110906
US007972537 Carbon nanotube-conductive polymer composite 公告>20110705
US007872334 Carbon nanotube diodes and electrostatic discharge circuits and methods 公告>20110118 20070504 US
US007872407 Field emission cathode having successive and oriented carbon nanotube bundles
US007745302 Method for making transmission electron microscope grid
US007482652 Multiwalled carbon nanotube memory device
US007750297 Carbon nanotube collimator fabrication and application
US007662426 Method for carbon nanotube emitter surface treatment
US006852582 Carbon nanotube gate field effect transistor
US007641883 Method for separating carbon nanotubes, method for dispersing carbon nanotubes and compositions used for the methods
US008029757
US007001805
US006723624 Method for fabricating n-type carbon nanotube device
US006962839 Apparatus and manufacturing process of carbon nanotube gate field effect transistor
US007749477 Carbon nanotube arrays
US007160169 Method of forming carbon nanotube emitters and field emission display (FED) including such emitters
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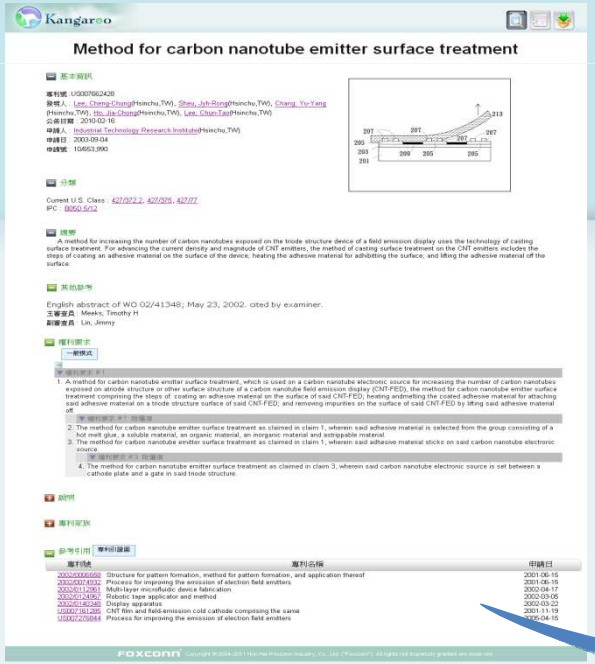

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2 检索结果

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Kangaroo 操作说明

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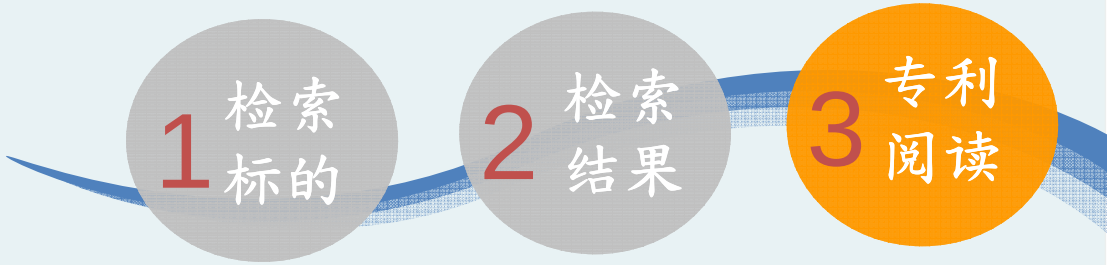

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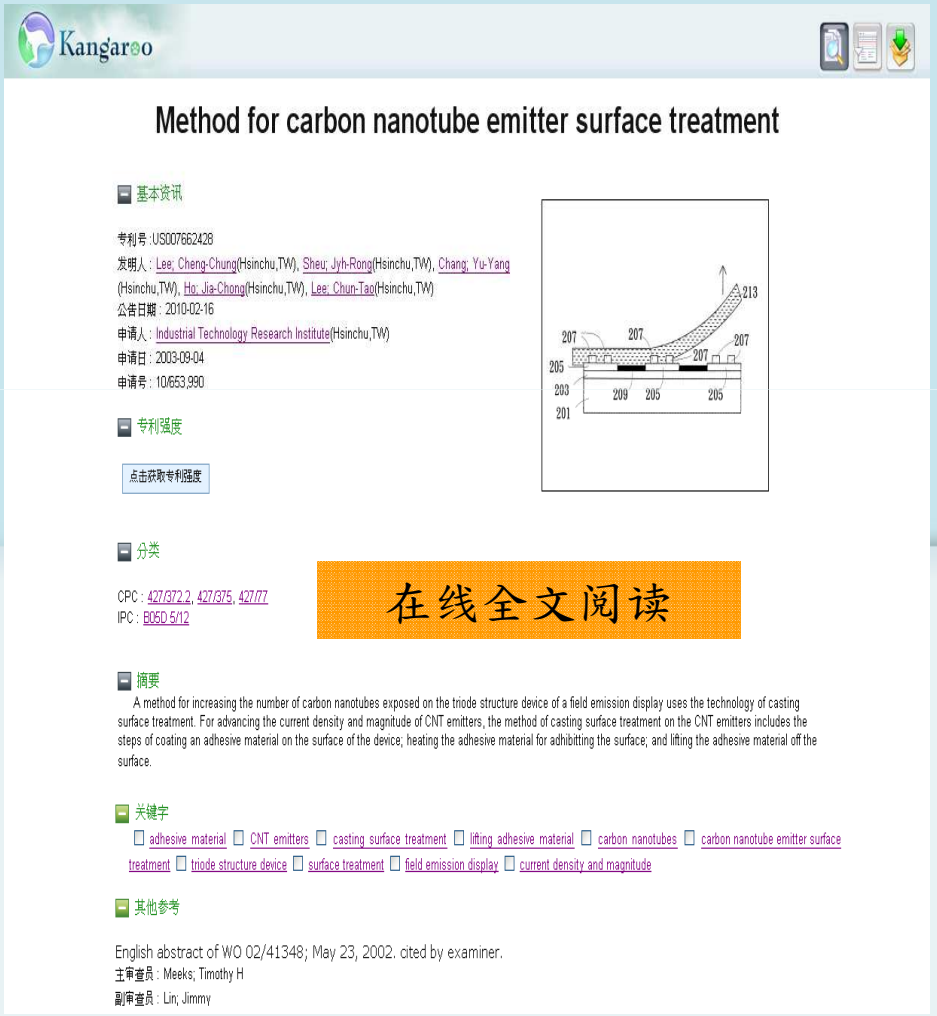

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Kangaroo

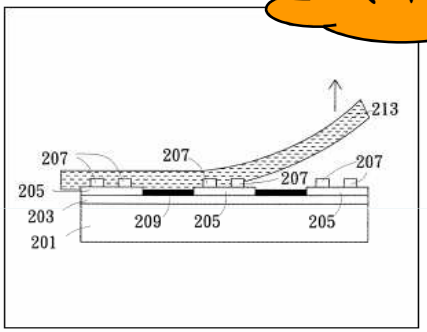
Method for carbon nanotube emitter surface treatment

专利全文浏览

基本信息

基本资讯

专号 :US007662428
发明人 : Lee; Cheng-Chung(Hsinchu,TW), Sheu; Jyh-Rong(Hsinchu,TW), Chang; Yu-Yang (Hsinchu,TW), Ho; Jia-Chong(Hsinchu,TW), Lee; Chun-Tao(Hsinchu,TW)
公告日期 : 2010-02-16
申请人 : Industrial Technology Research Institute(Hsinchu,TW)
申请日 : 2003-09-04
申请号 : 10/653,990



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专利分类

分类

CPC : 427/372.2, 427/375, 427/77
IPC : B05D 5/12

专利摘要

摘要

A method for increasing the number of carbon nanotubes exposed on the triode structure device of a field emission display uses the technology of casting surface treatment. For advancing the current density and magnitude of CNT emitters, the method of casting surface treatment on the CNT emitters includes the steps of coating an adhesive material on the surface of the device; heating the adhesive material for adhibitting the surface; and lifting the adhesive material off the surface.

关键字

adhesive material, CNT emitters, casting surface treatment, lifting adhesive material, carbon nanotubes, carbon nanotube emitter surface treatment, triode structure device, surface treatment, field emission display, current density and magnitude

其他参考

权利要求

说明

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Kangaroo

Method for carbon nanotube emitter surface treatment

基本资讯

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发明人 : Lee; Cheng-Chung(Hsinchu,TW), Sheu; Jyh-Rong(Hsinchu,TW), Chang; Yu-Yang (Hsinchu,TW), Ho; Jia-Chong(Hsinchu,TW), Lee; Chun-Tao(Hsinchu,TW)
公告日期 : 2010-02-16
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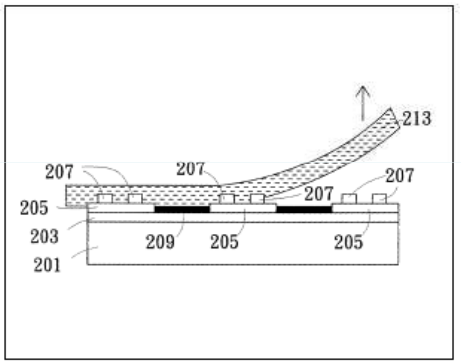
申请日 : 2003-09-04
申请号 : 10/653,990



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关键字

☐ adhesive material ☑ CNT emitters ☐ casting surface treatment ☐ lifting adhesive material ☐ carbon nanotubes ☑ carbon nanotube emitter surface treatment ☐ triode structure device ☐ surface treatment ☐ field emission display ☐ current density and magnitude

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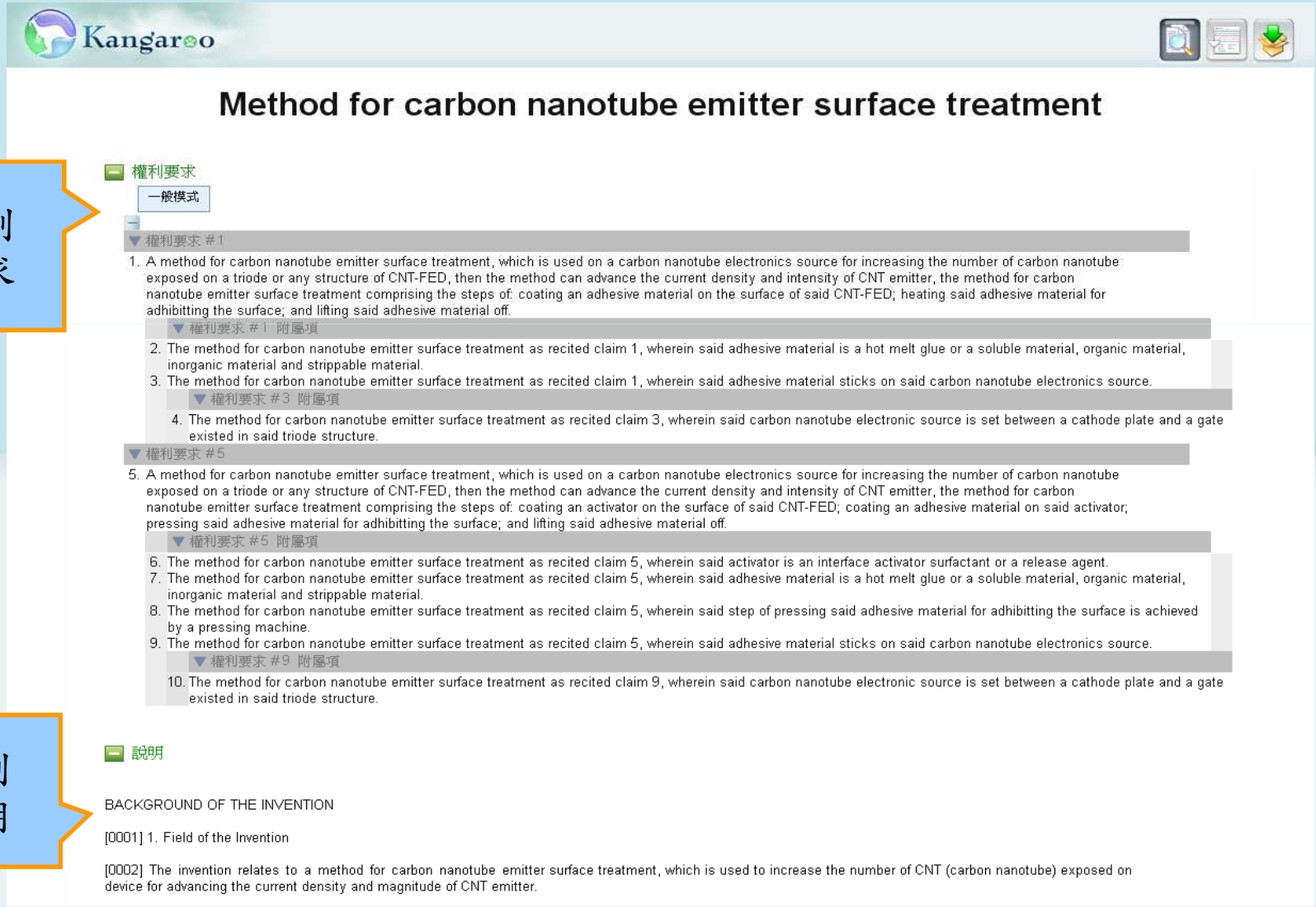

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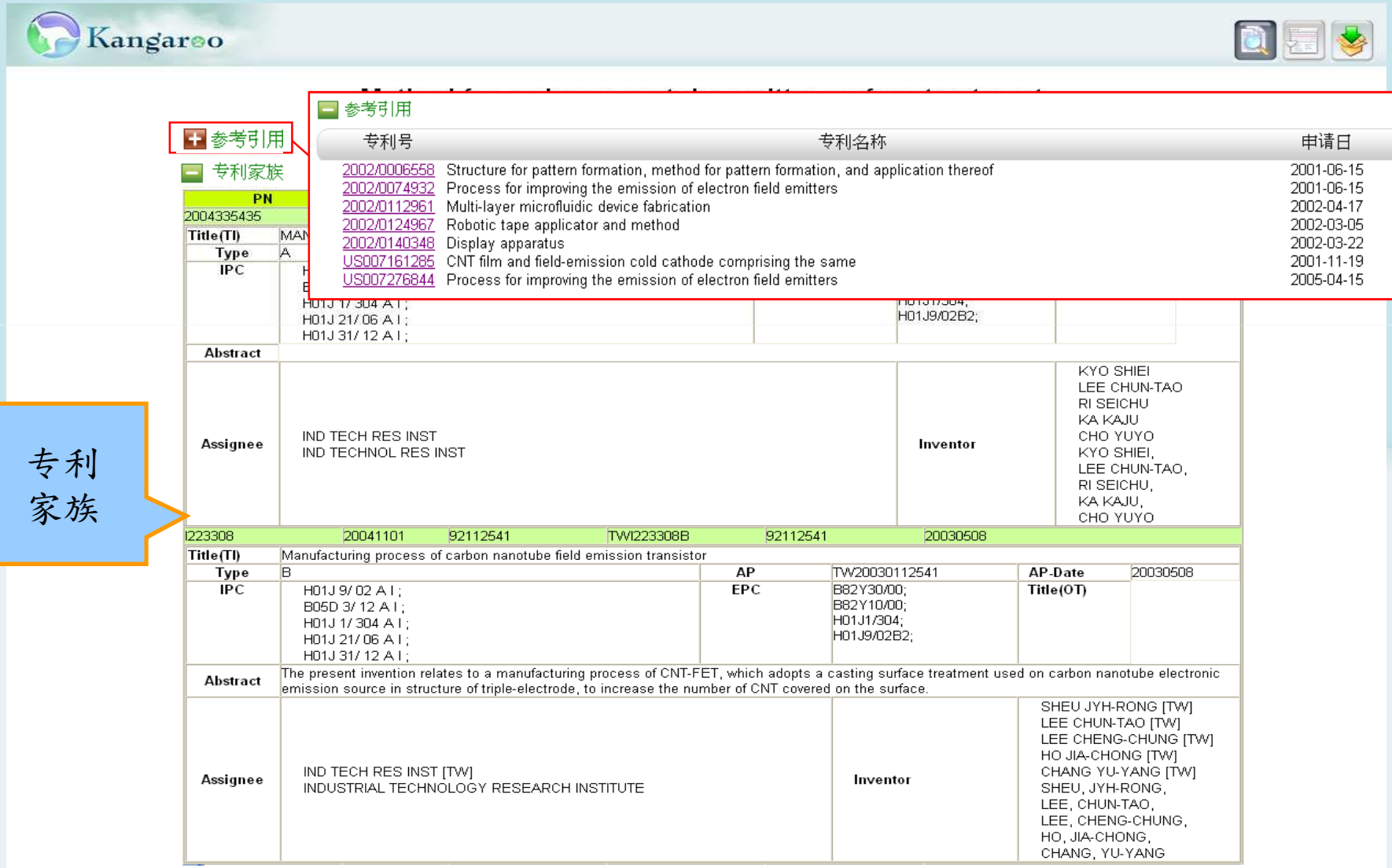

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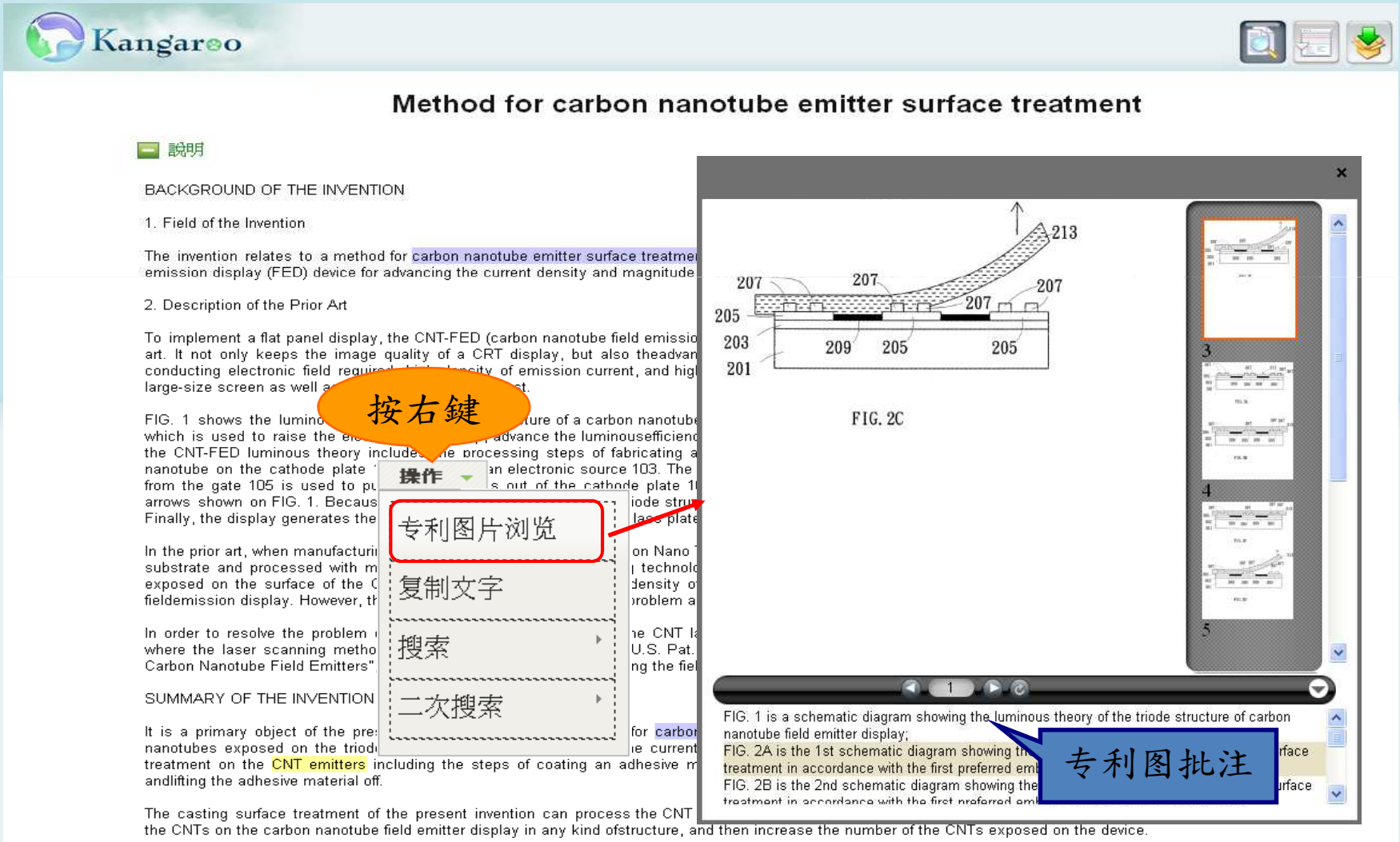

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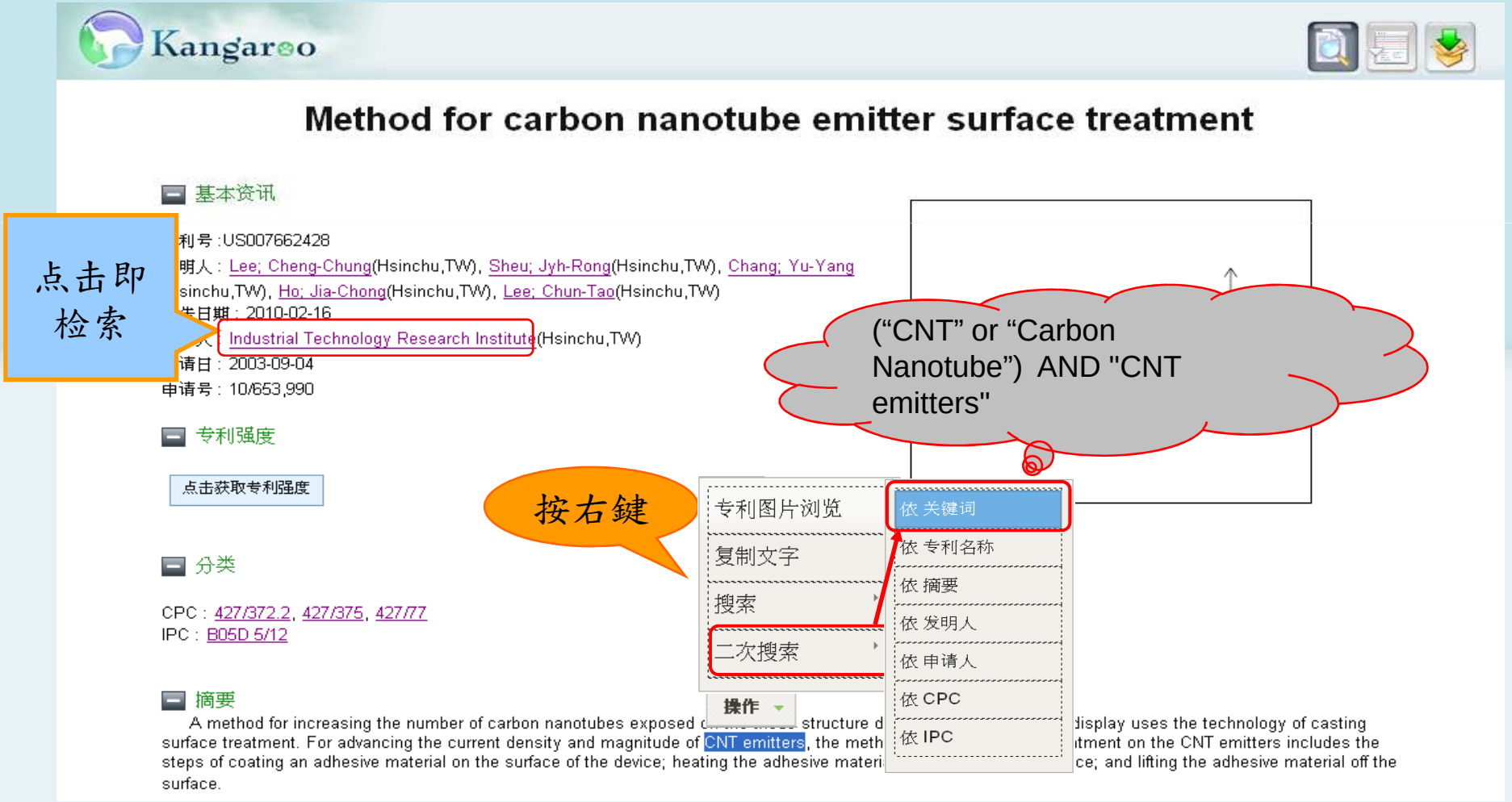

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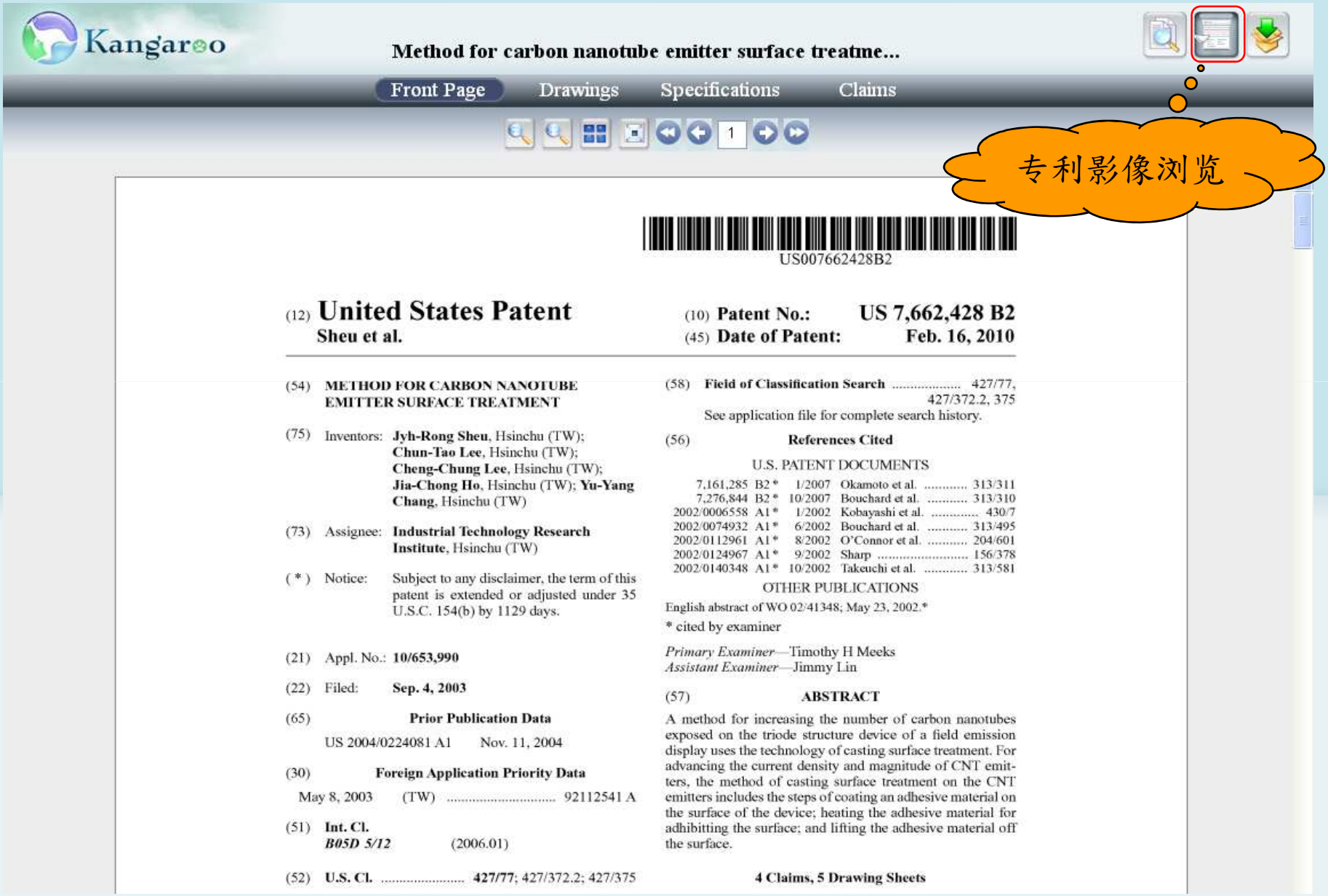

US007662428B2

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

(10) **Patent No.: US 7,662,428 B2**
(45) **Date of Patent: Feb. 16, 2010**

(54) **METHOD FOR CARBON NANOTUBE EMITTER SURFACE TREATMENT**

(75) Inventors: **Jyh-Rong Sheu**, Hsinchu (TW); **Chun-Tao Lee**, Hsinchu (TW); **Cheng-Chung Lee**, Hsinchu (TW); **Jia-Chong Ho**, Hsinchu (TW); **Yu-Yang Chang**, Hsinchu (TW)

(73) Assignee: **Industrial Technology Research Institute**, Hsinchu (TW)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1129 days.

(21) Appl. No.: **10/653,990**

(22) Filed: **Sep. 4, 2003**

(65) **Prior Publication Data**

US 2004/0224081 A1 Nov. 11, 2004

(30) **Foreign Application Priority Data**

May 8, 2003 (TW) ..... 92112541 A

(51) **Int. Cl.**
B05D 5/12 (2006.01)

(52) **U.S. Cl.** **427/77**; 427/372.2; 427/375

(58) **Field of Classification Search** 427/77, 427/372.2, 375
See application file for complete search history.

(56) **References Cited**

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* cited by examiner

Primary Examiner—Timothy H Meeks
Assistant Examiner—Jimmy Lin

(57) **ABSTRACT**

A method for increasing the number of carbon nanotubes exposed on the triode structure device of a field emission display uses the technology of casting surface treatment. For advancing the current density and magnitude of CNT emitters, the method of casting surface treatment on the CNT emitters includes the steps of coating an adhesive material on the surface of the device; heating the adhesive material for adhibitting the surface; and lifting the adhesive material off the surface.

4 Claims, 5 Drawing Sheets

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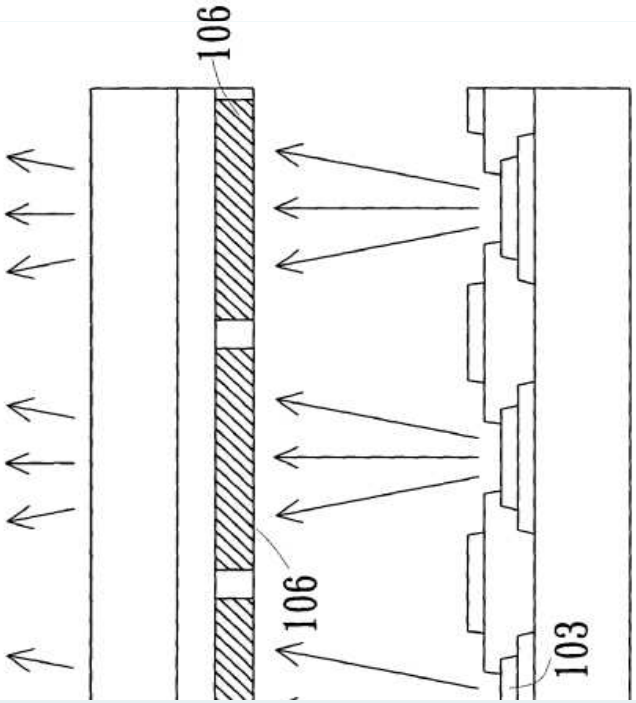

FIG. 1 (PRIOR ART)

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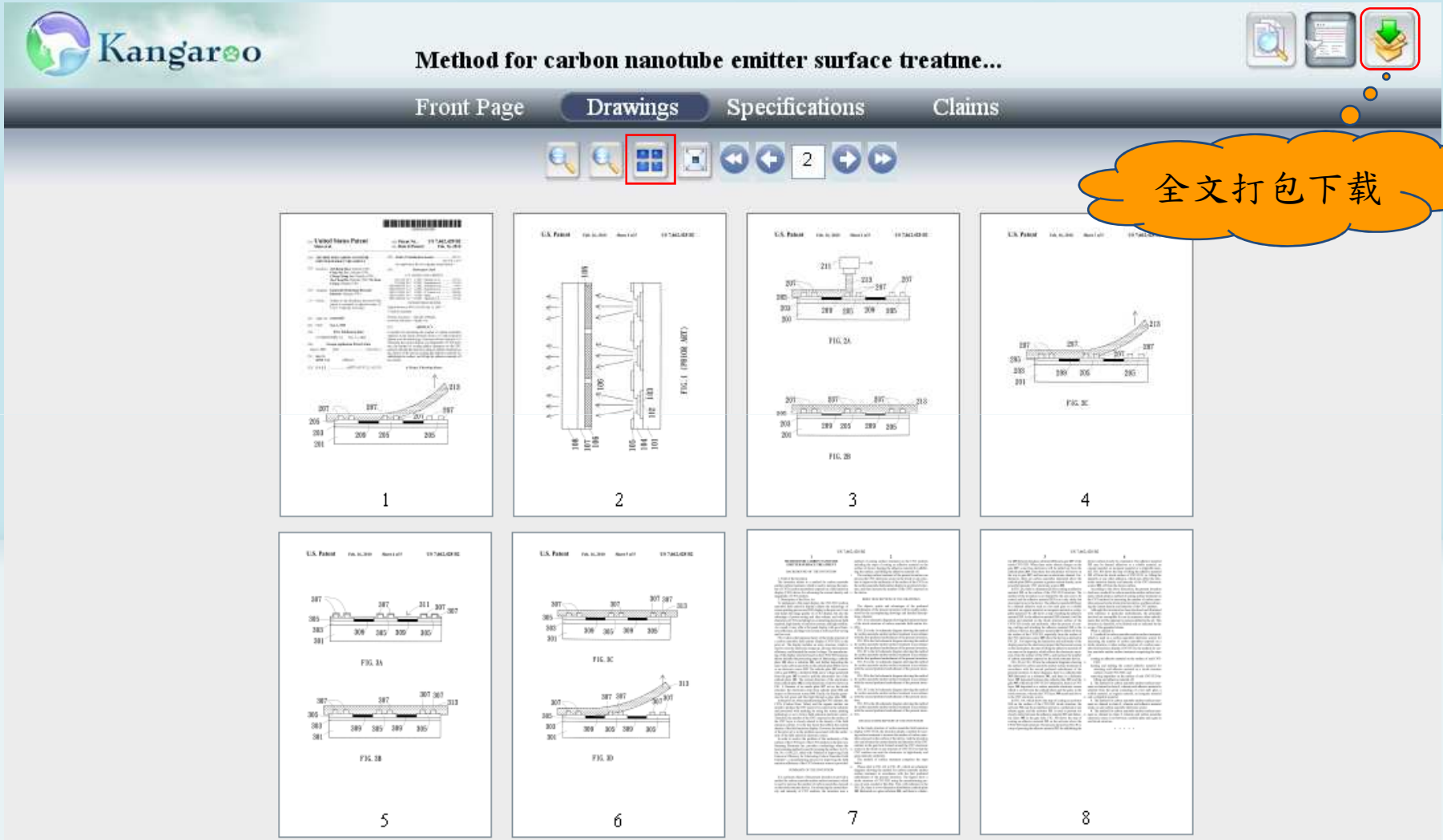
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