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Epoque检索系统

医药部药物制剂处
张婷



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

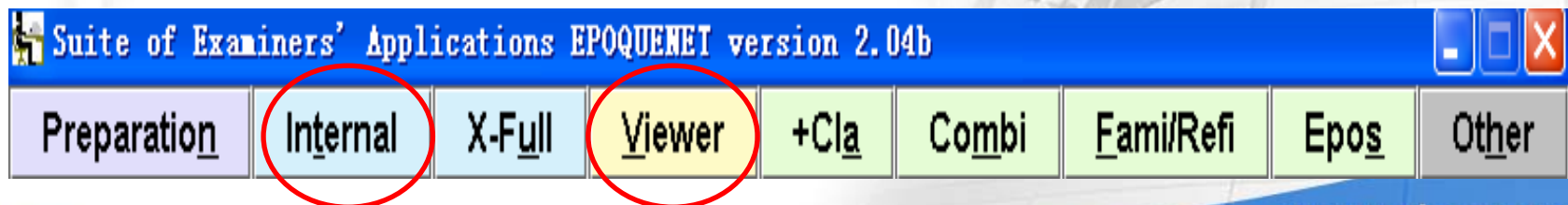
提纲

- 第1节： epoque系统简介
- 第2节： 重点介绍该系统中的internal功能和viewer浏览器
- 第3节： 具体检索案例



第1节： epoque系统简介

- 1.系统介绍
- 该系统是我专利局从欧专局引进的适合审查员检索工作的计算机系统。该系统还可以获得一部分专利的全文，有的全文是文本形式，有的是扫描形式。
- 该系统有许多对话界面，主菜单包括：





第1节： epoque系统简介

- 菜单上的其余选项都只是一种功能集合，是基于internal的为实现一定目标而设立的快捷程序，大多可以通过internal中的指令检索实现。



第1节： epoque系统简介

- 2.各选项的简介
- **Internal:** 该选项最为重要和常用，后面会详细介绍其各种常用命令和使用方法。该选项进入后，里面包括47个数据库，以各种索引方式，涵盖了ep,us,jp,wo等等多个国家地区的专利，其中常用的数据库有:wpi,epodoc,txtus1,txtwo1等等。



..FILE / ..INFO / ..HELP

? ..fi

- 1 ALLOYS Ferrous and non-ferrous alloys compositions
- 2 CIS Complementary Information System
- 3 ECLA
- 4 EPODOC
- 5 EPOS
- 6 IDT Indeling Der Techniek Classification
- 7 IPC International Patent Classification vers.8
- 8 IPC1
- 9 IPC2
- 10 IPC3
- 11 IPC4
- 12 IPC5
- 13 IPC6
- 14 IPC7
- 15 NPL Non Patent Literature
- 16 RM13 Telephony
- 17 RM18 Electric connectors
- 18 RM25 Laminates from 1971
- 19 RM26 Laminates from 2000



第1节： epoque系统简介

- **Viewer浏览器**：它就像一台电视机，将选中的“节目”（即检索到的文献）以图文并茂的形式呈现出来，包括它的公开号、申请人、题目、摘要、附图、全文等。

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EP0123456 A 19841031

Full text fields were created from the OCR-EPO data source

A COMBINED INTRAFRAME AND INTERFRAME TRANSFORM CODING SYSTEM

The present invention relates to methods and apparatus for processing image signals to remove redundant information thereby making the signals more suitable for transfer through a limited-bandwidth medium. The present invention specifically relates to methods and apparatus for use in video compression systems.

Many signal processing techniques useful in video compression systems are known. For example, digital encoding is often employed in processing television signals which are to be transferred over transmission channels since digital data streams are more immune to noise degradation.

In order to digitally encode a television signal, a significant number of bits, 4 or more, may be required to provide for an acceptable range of gray scale for each of the hundreds of thousands of separate picture elements (pixels) which form an image. Consequently, data rates for unprocessed digitalized

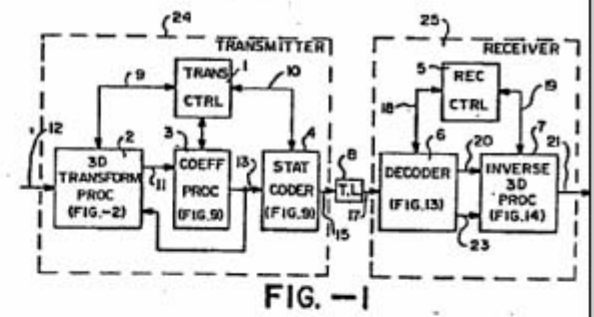
- All
- EPO
- WPI
- PAJ
- Oth

- Text
- Desc
- Cims
- JP-T

1Pge

BNS A2

- Bib
- Abs
- Desc
- Cims



Europäisches Patentamt
European Patent Office
Office européen des brevets

Publication number: 0 123 456 A2

EUROPEAN PATENT APPLICATION

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Designated Contracting States: SE DE FR GB IT

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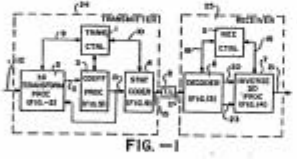
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A combined intraframe and interframe transform coding system.

An apparatus and method for signal processing employing intraframe and interframe variable prediction transform coding. Images are represented by sequential frames of two-dimensional arrays of digital signals. The digital signals are transformed to form transform coefficients for each frame. Predicted transform coefficients are formed using sets of variable prediction factors. The predicted transform coefficients for each frame are compared with corresponding actual transform coefficients for the frame to form transform coefficient difference signals. The difference signals are processed to control their range of values. The processed difference signals are statistically coded such that the more frequently occurring values are represented by shorter code lengths and the less frequently occurring values are represented by longer code lengths. The coded signals are stored in a buffer memory for transmission.



EP 0 123 456 A2

- All
- EPO
- WPI
- PAJ
- Oth

Text

Desc

Clms

JP-T

1Pge

BNS

A2

Bib

Abs

Desc

Clms

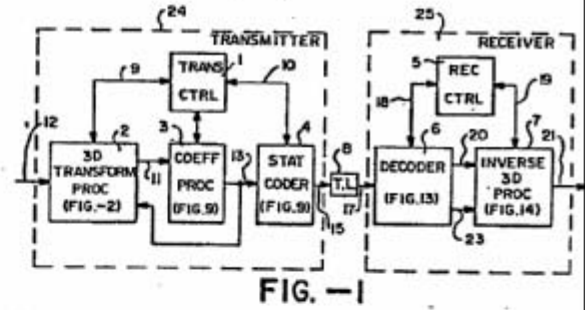


FIG. -1



第1节： epoque系统简介

- **3.fami/refi:**该选项进入后，可以给出某个专利文献的同族专利、分类、引用的对比文件等信息。

MI of wo2005092309 Document (with National Classes)

Restricted family members in this colour

PUBLICATION	CT	PUB-DATE	NPR	DT	CLASSES
2005209340	A	Y 2005-09-22	1	*	EC : A61K31/138
7507769	B	2009-03-24			UC : 424/444 424/449 514/344 514/651 514/651 514/971
1579856	A	Y 2005-09-28	1	*	EC : A61K9/00M3 A61K31/138
20040290761		2004-03-22			A61K47/02 A61K47/10 A61K47/14 A61K47/38
2005227072	A	Y 2005-10-06	3	I	EC : A61K31/138 A61K9/00M3
2005227072B	B	2010-08-19			A61K47/02 A61K47/10 A61K47/14 A61K47/38
2005092309	A	Y 2005-10-06	2	*	EC : A61K31/138 A61K9/00M3 A61K47/02 A61K47/10

Number

With National Classes

- Document
- Application
- Priority

FAMI
 FAMI+REF
 CLASS

Clear



第1节： epoque系统简介

- **4.+CLA:** 进入该选项，即进入了ECLA分类，在输入ECLA分类号后，即可查看该分类号的含义，以及更为上位的分类或者相邻的分类。

LA of a61k31 Lower and higher

A61K31/00

(35783) Medicinal preparations containing organic active ingredients

[N: Notes

In groups A61K31/00 to A61K45/00 it is desirable to add the indexing codes relating to individual components of a substance. The indexing codes, which are chosen from the said groups should be linked.

After the notation of groups A61K31/00 to A61K45/00 and separated therefrom by a + sign the notation M may be added to indicate a mixture of active ingredients.

Computer searches based on the indexing codes mentioned in the note above are only possible in the C.I.S. database

]

[N: Notes

In the preparation of new organic compounds and their use in medicinal preparations, classification is only made in the relevant subclasses C07C to C07J according to the type of compound. However, the

inventions dealing with medicinal preparations containing at least two

CLA

Classification Symbol

a61k31	

Clear

- Lower and higher
- Lower
- Higher
- Same
- Complete

ECLA



第1节： epoque系统简介

- 5.epos:其表示EPO synonyms,是EPO同义词数据库, 功能键epos给出了直接进入epo同义词数据库的一个入口。其作用在于, 查找检索词的同义词和相关词。

POS of drug

/6 - (C) EPOS / EPO
 N - SY001649
 I - DRUG DEPENDENCE
 Y - SUBSTANCE USE DISORDER
 ADDICT * ADDICTION
 ABUSE
 DEPENDENCE * DEPENDANCE * DEPENDENT * DEPENDANT
 DEPENDENCY * DEPENDANCY
 HABIT * HABITUATION
 WITHDRAWAL * WITHDRAWN
 ABSTENTION * ABSTINENCE
 TOLERANCE * TOLERATION
 CRAVING
 TOXICOMANIA
 PHARMACOMANIA
 TOXICDEPENDENCE * TOXICDEPENDENT
 EUPHORIA * EUPHORETIC * EUPHORIAN * EUPHORIC * EUPHORISTIC
 HALLUCINOGEN
 PSYCHOSTIMULANT
 HYPNOTIC
 NARCOTIC

Terms Results: SEARCH
 [AND] EPOS cards: VIEW
 Classifications



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第1节： epoque系统简介

- 6.preparation:进入该选项后，可以创建，编辑，查阅那些能一起执行的命令组。


```

i wpi |
e and alarm and radio |
r m1; ..mem m1 /pn rk 1 |
i epodoc |
/pn /al |
ems m2 /ec; ..li m2 |

```

Save

Filename	Date	Comment	Size
[STAT]		[Directory]	
[system]		[Directory]	
cla	09. Nov 2005,...	Preparations related to CLAssifications	33599
combi	09. Nov 2005,...	Cited and citing documents	22414
cordo	09. Nov 2005,...	Corresponding documents (family members).	5421
cr	09. Nov 2005,...	Universal database transfer preparation (try:	49873
do	09. Nov 2005,...	..DO epoque_command IN database_list (try:...	8701
doc	09. Nov 2005,...	To find documents e.g. with obscure or errone...	72158
editor	09. Nov 2005,...		67
eds	09. Nov 2005,...	Ugrading the Mainframe command ..EDS	113
external	09. Nov 2005,...		64
find	09. Nov 2005,...	To find e.g. classifications	7828
hiw	09. Nov 2005,...	Refresh Internal TssDialog without changing fo...	176
hl	09. Nov 2005,...	create a highlighting scheme for JViewer	76278
hlengine	09. Nov 2005,...		93421
internal	09. Nov 2005,...		64
jcombi	09. Nov 2005,...		74
personal	09. Nov 2005,...		52
prep	09. Nov 2005,...	General info about public preparations	1759
startviewer	09. Nov 2005,...	Java preparation to start Viewer	88
stat	09. Nov 2005,...	Statistical analysis (general)	24456
tss	09. Nov 2005,...	Java preparation to create X-file SSTRANSF a...	100
v	09. Nov 2005,...	go to Viewer	15503
xf	09. Nov 2005,...	Crossfile creation, append, use & deletion	30758
xfcreatm	09. Nov 2005,...		97

Filename:

Comment:

Logfiles
 CrossFiles
 Private Preparations
 Public Preparations



3

ected file: ECLA

earch statement 1

..fi wpi

ected file: WPI

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e reproduced or transmitted, in any
y means, or stored in any retrieval
y nature, without the prior written
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earch statement 1

ep123456/pn

SS 1: Results 1

earch statement 2

List of preparations

Filename	Date	Comment
[STAT]		[Directory]
[system]		[Directory]
cla	09. Nov 2005, 10:06	Preparations related to CLAS
combi	09. Nov 2005, 10:06	Cited and citing documents
cordo	09. Nov 2005, 10:06	Corresponding documents (f
cr	09. Nov 2005, 10:06	Universal database transfer p
do	09. Nov 2005, 10:06	..DO epoque_command IN d
doc	09. Nov 2005, 10:06	To find documents e.g. with c
editor	09. Nov 2005, 10:06	
eds	09. Nov 2005, 10:06	Ugrading the Mainframe com
external	09. Nov 2005, 10:06	
find	09. Nov 2005, 10:06	To find e.g. classifications
hiw	09. Nov 2005, 10:06	Refresh Internal TssDialog w
hl	09. Nov 2005, 10:06	create a highlighting scheme
hlengine	09. Nov 2005, 10:06	
internal	09. Nov 2005, 10:06	
jcombi	09. Nov 2005, 10:06	
personal	09. Nov 2005, 10:06	

Private Preparations
 Public Preparations



第2节 internal 和viewer

- 1.internal
- (1) 其中的常用数据库简介:
- Wpi:该数据库收集了最早为1963年的约40个国家和组织的专利文献。
- 优点: 文献的标题和文摘都由文献工作人员重新改写过, 所以用词规范, 技术内容丰富, 适合用关键词来检索。另外, 有公司代码字段cpy, 对于大型正规公司, 可以用公司代码来统一检索。



第2节 internal 和viewer

- Wpi库的缺点：没有对IPC分类号重新进行分类，而是使用各国专利局给出的IPC分类号，因此，使用IPC分类号进行检索时，会受到不同国家专利局分类习惯的影响而使检索结果不太好，尤其是美国文献。
- Wpi中的常用字段：PN,PA,TI,KW,CPY,IC,



第2节 internal 和viewer

- **Epodoc**:它收集了某些国家和组织的所有专利文献，它收集的国家虽然不如wpi库多，但每个国家的文献收集的年代较早，数量较全，比如日本和中国的文献比wpi多。
- **优点**: 包含了丰富的分类信息，例如ec、uc等，可以根据文献的特点进行针对性检索；还收集了申请人的引用文献，国际检索报告和初审报告中的文献，审查时的文献等，适合追踪检索。



第2节 internal 和viewer

- Epodoc的缺点：其中的文献标题和摘要基本上是申请人撰写的，用词会因为申请人的不同而不规范，技术信息含量也会参差不齐，甚至很多文献没有标题和摘要信息。
- Epodoc中的常用字段：
PN,PA,TI,KW,EC,UC,PD



第2节 internal 和viewer

- (2) 数据编辑方式和字段：进入internal后，其中各数据库中的数据编辑方式类似，即将每一条专利信息中的相应项目编入相应的字段中。
- 比如：ep123456这个专利



ep123456/pn

* SS 1: Results 1

Search statement 2

..li

/1 - (C) WPI / Thomson
 N - 1984-271389 [44]
 P - EP19840302109 19840328; JP19840060489 19840328
 R - US19830479766 19830328
 I - Combined intra-frame and inter-frame transform coding system -
 transmitting high quality video images over limited bandwidth medium
 W - COMBINATION INTRA FRAME INTER TRANSFORM CODE SYSTEM TRANSMIT HIGH
 QUALITY VIDEO IMAGE LIMIT BANDWIDTH MEDIUM
 A - (COMP-N) COMPRESSION LABS INC
 N - EP0123456 A 19841031 DW198444
 AU2590184 A 19841004 DW198447
 JP60012884 A 19850123 DW198510
 CA1214261 A 19861118 DW198651
 EP0123456 B 19901212 DW199050
 DE3483732G G 19910124 DW199105
 CAI- B25J1/06; G06T9/00; H03M7/30; H04B14/06; H04N7/30; H04N7/32; H04N7/50
 CCI- B25J1/00; G06T9/00; H03M7/30; H04B14/02; H04N7/30; H04N7/32; H04N7/50
 B - The images are defined by a sequence of frames where each frame

File: internal

Mode: Insert

Line: 100

Column: 3

Help F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 Break >>>



第2节 internal 和viewer

- (3) 常用命令
- 进入internal:在菜单上, 点击internal, 出对话框, 输入用户名和密码, 进入internal.
- 查阅所有的数据库: ..fi
- 进入所需的数据库: ..fi wpi(epodoc等等)
- 进入数据库后查阅其所有的索引和说明:
- ..ind (ex)



第2节 internal 和viewer

- 输入检索词：aspirin/bi或者直接输入aspirin，因为bi为默认字段。
- A61k31/ic, smith/pa
- 布尔算符：and or not
- 临近算符：w, nw, =nw, d, nd, =nd
- 截词符：?表示0-1个字母，#代表一个字母，+代表任意个字母。



第2节 internal 和viewer

- 关系算符：只有日期型和数字型的字段可用该算符，=、<、>、<=、>=、：
- 例如：pd=1987-10-20,pd<1997,pd>1993-12,pd=1994-01:1994-08
- 算符的组合使用：
- (tin? or can?) and beverage



第2节 internal 和viewer

- `..hi(story)` 查看检索历史
- `..li(st)` 查看最后一个检索式的全部结果。
- `..lim 3` 将接下来的检索限定到检索式3里。
- `..unlim` 解除最近一次的限制，`..lim all`解除所有限制。
- `..br ss 5 2`显示检索式5的第2条记录
- `..er all/..er 3-6` 删除全部检索式/第3-6个检索式。
- `..fam ss 3/..fam ep930115910/ap` 查找同族专利。



..fi wpi

Selected file: WPI

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Search statement 1

aspirin

* SS 1: Results 4.173

Search statement 2

pd<1997

* SS 2: Results 7.582.616

Search statement 3

1 and 2

File: internal

Mode : Insert

Line : 193

Column : 6

Help

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

Break

>>>



Search statement 3

1 and 2

* SS 3: Results 845

Search statement 4

..his

File : WPI

SS Results

1	4173	ASPIRIN
2	7582616	PD<1997
3	845	1 AND 2

Search statement 4

..lim 3

* SS 4: Results 845

Search limited to 845 documents

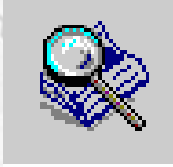
Limitation starting with SS 4

Search statement 5

Help	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	Break	>>>
------	----	----	----	----	----	----	----	----	-----	-----	-------	-----



第2节 internal 和viewer

- 2.viewer
- 如何在internal中检索完后，将检索结果导入viewer中进行浏览：
- 两种方法：直接在菜单中进入viewer，然后在对话框中输入专利号。
- 或者点击internal界面的右上角的图标，
- 即可选择将某个检索结果导入viewer:

- Manual Input/X-File.. Ctrl-M
- Open working List... Ctrl-W
- Current Working List History... Ctrl-O



Select a source file

POQUE cross-files

File name	▲ D...	Co...	Size
astfami	01. J...	Crossfil...	237
astrefi	01. J...	Crossfil...	694
stransf	01. J...	EP123...	57
VMANINP	09. M...		11

Manual input

ep123456

comment on the set of families added to the...

Select a target working list

Working lists

▼ Name	View...	Date	Comment
5	0 / 0 ●	02. Jun 20...	15:17:11
1	1 / 7	13. Mai 20...	09:41:58
3	2 / 8	10. Mai 20...	15:34:03
4	1 / 2 ●	01. Jun 20...	14:41:39
4	1 / 1 ●	10. Mai 20...	15:35:45

Add to working list and open to view

Action

View

Add

Add & View

Append

Overwrite

Filter "Déjà-Vu"

Create new working list

Use template

Create new directory

Show working list history

Delete working list

Help

Close



Search statement 2

..fi epodoc

Selected file: EPODOC

Search statement 1

aspirin

* SS 1: Results 1.812

Search statement 2

pd=1987

* SS 2: Results 1.162.241

Search statement 3

1 and 2

* SS 3: Results 23

Search statement 4

|

Help

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

Break

>>>

Search statement 2

..fi epodoc

Selected file: EPODOC

Search statement 1

aspirin

SS 1: Results 1.812

Search statement 2

pd=1987

SS 2: Results 1.162.241

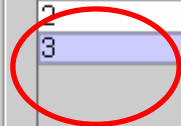
Search statement 3

1 and 2

SS 3: Results 23

Search statement 4

SS number	Search term	Database	Number of ...
1	ASPIRIN	WPI	4173
1	ASPIRIN	EPODOC	1812
2	PD=1987	EPODOC	1162241
3	1 AND 2	EPODOC	23



23 documents selected.

Keep dialog open

Current Database

All Databases



Refresh

Help

F2

F3

F4

Save as XFile

Send to Viewer

Break

Close

Help

Select a source file

POQUE cross-files

File name	▲ D...	Co...	Size
stransf	02. J...	1 AND 2	258
stfami	01. J...	Crossfil...	237
strefi	01. J...	Crossfil...	694
VMANINP	09. M...		11

Manual input

Comment on the set of families added to the...

Select a target working list

Working lists

Name	View...	Date	Comment
6	0 / 0 ●	02. Jun 20...	15:24:31
1	1 / 7	13. Mai 20...	09:41:58
3	2 / 8	10. Mai 20...	15:34:03
4	1 / 2 ●	01. Jun 20...	14:41:39
4	1 / 1 ●	10. Mai 20...	15:35:45
5	0 / 0 ●	02. Jun 20...	15:17:11

Create new working list

Use template

Create new directory

Show working list history

Delete working list

Action

View

Add

Add & View

Append

Overwrite

Filter "Déjà-Vu"

Help

Close



第3节：具体检索案例

- 案例：一种开有非穿透性槽或盲孔的血管支架。
- 技术领域：该申请涉及用于治疗冠状动脉狭窄的血管支架。
- 技术方案：一种开有非穿透性槽或盲孔的血管支架，由直形主支撑条和连接主支撑条的连接条构成，其特征在于：在主支撑条的外表面开有非穿透性的槽或者打有多个盲孔，在该槽或孔中嵌有药物涂层。



第3节：具体检索案例

- 检索过程:
- 检索要素1: 血管支架, 用关键词表达为 blood w vessel, stent, a61f2/90(ic分类), a61f2/90b(ec分类, 通过ecla查找)
- 检索要素2: 槽或者孔, groove? , recess, recesses, hole?



第3节：具体检索案例

- 检索思路：将两个要素and来进行检索。检索时，考虑wpi库中摘要撰写地好，所以，优选用kw来进行检索。考虑epodoc库的ec分类号比较详细，所以，在该库中优选用ec分类号进行检索。



Search statement 1

(stent and (blood w vessel)) and (groove? or recess or recesses or hole?)

1 537685 GROOVE
2 2 GROOVE,
3 1 GROOVEA
4 26427 GROOVED
5 9 GROOVEE
6 2 GROOVEL
7 1 GROOVEM
8 1 GROOVEN
9 109 GROOVER
0 234615 GROOVES
1 1 GROOVEY
2 4 GROOVE3
3 1 GROOVE4

1: A / Some: numbers / None: N

a
1 1023077 HOLE
2 1 HOLE,
3 2 HOLEA
4 2913 HOLED
5 1 HOLEI



```

1 1023077 HOLE
2     1 HOLE,
3     2 HOLEA
4   2913 HOLED
5     1 HOLEL
6     1 HOLEM
7     2 HOLEN
8     1 HOLEO
9     1 HOLEP
0   303 HOLER
1 525772 HOLES
2     1 HOLET
3     3 HOLEU
4   179 HOLEY
5     1 HOLEO

```

remaining terms: 5

11: A / Some: numbers / Continue: Y / None: N

a

* SS 1: Results 150

Search statement 2



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第3节：具体检索案例

- Wpi中的检索结果：浏览150篇文献，得到相关的文献wo2004084769a1



A of a61f2/90 Lower and higher

- F2/00 Filters implantable into blood vessels; Prostheses, i.e. artificial substitutes or replacements for parts of the body; Appliances for connecting them with the body (as cosmetic articles, see the relevant subclasses, e.g. wigs, hair pieces, A41G3/00, A41G5/00, artificial nails
A45D31/00; dental prostheses A61C13/00; materials for prostheses A61L27/00; artificial hearts A61M1/10; artificial kidneys A61M1/14)
- F2/82 . Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents (for closing wounds, or holding wounds closed A61B17/03; dilators A61M29/00) [N0610]
- F2/86 . . Stents formed from wire-like elements [N0610]
- F2/90 . . . the wire-like elements forming a net structure [N0610]
- F2/90B [N: made from sheet material, e.g. using laser cut or etching holes] [N0610]

LA

Classification Symbol

a61f2/90	

Clear

- Lower and higher
- Lower
- Higher
- Same
- Complete

ECLA



..fi epodoc

Selected file: EPODOC

Search statement 22

..er all

Search statement 1

a61f2/90b/ec and (groove? or recess or recesses or hole?)

```

1 599338 GROOVE
2     4 GROOVEA
3     1 GROOVB
4     1 GROOVC
5 43795 GROOVED
6     7 GROOVEE
7     1 GROOVEF
8     1 GROOVB
9     1 GROOVI
0     1 GROOVN
1     1 GROOVP
2     225 GROOVR
3 313654 GROOVES
4     1 GROOVH

```



11: A / Some: numbers / Continue: Y / None: N

a

```

1 1071220 HOLE
2      8 HOLEA
3      1 HOLEB
4     14 HOLEC
5    2881 HOLED
6      1 HOLEE
7      1 HOLEF
8      1 HOLEG
9      4 HOLEI
0      1 HOLEJ
1      9 HOLEK
2      2 HOLEL
3      1 HOLEM
4      5 HOLEN
5      1 HOLEP

```

Remaining terms: 14

11: A / Some: numbers / Continue: Y / None: N

a

* SS 1: Results 173

Search statement 2

File: internal

Mode: Insert

Line: 1016

Column: 57

Help

F2

F3

F4

F5

F6

F7

F8

F9

F10

F11

Break

>>>



第3节：具体检索案例

- epodoc中的检索结果：浏览173篇文献，得到相关的文献wo2004084769a1和us6254632b1。
- 结论：由此可以看出在wpi库用关键词来查找，查准率高，方便，不需查找分类号，但漏检率也高，原因在于kw在表达时难免有遗漏。在epodoc库中用分类号结合关键词来进行检索，则查全率和查准率均有所提高，缺点是，同族专利也都各算一个记录，在浏览时会延长时间。



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谢谢!