

I. IPC

II. FI

III. F-term

IV. Reference tool

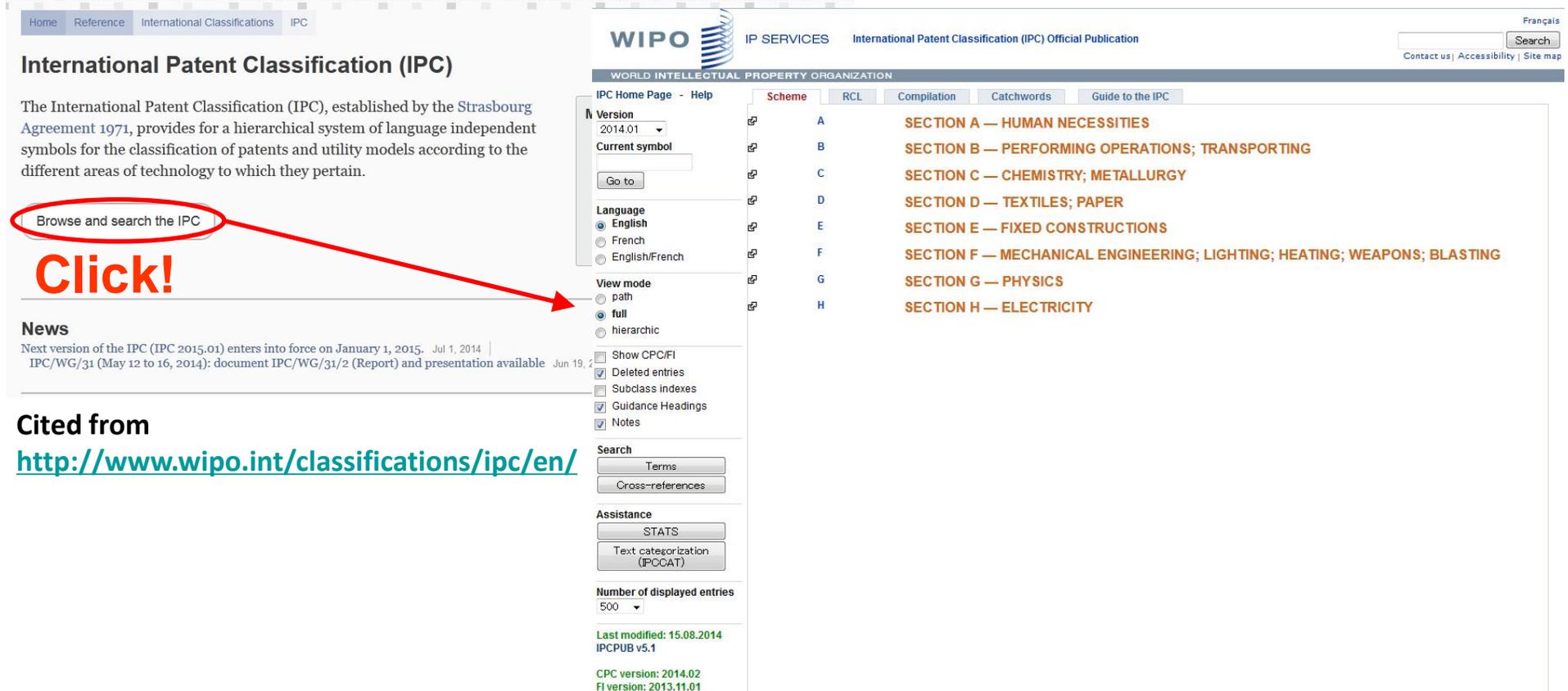
IV. Reference tool

A. IPC Home Page – 1/2

<http://www.wipo.int/classifications/ipc/en/>



<http://wipo.int/ipcpub/>



International Patent Classification (IPC)

The International Patent Classification (IPC), established by the Strasbourg Agreement 1971, provides for a hierarchical system of language independent symbols for the classification of patents and utility models according to the different areas of technology to which they pertain.

Browse and search the IPC

Click!

News
Next version of the IPC (IPC 2015.01) enters into force on January 1, 2015. Jul 1, 2014 |
IPC/WG/31 (May 12 to 16, 2014): document IPC/WG/31/2 (Report) and presentation available Jun 19, 2014

Cited from
<http://www.wipo.int/classifications/ipc/en/>

WIPO IP SERVICES International Patent Classification (IPC) Official Publication

Version: 2014.01
Current symbol: [input field]
Go to: [button]

Language:
 English
 French
 English/French

View mode:
 path
 full
 hierarchic

Show CPC/FI
 Deleted entries
 Subclass indexes
 Guidance Headings
 Notes

Search:
Terms [button]
Cross-references [button]

Assistance:
STATS [button]
Text categorization (IPCCAT) [button]

Number of displayed entries: 500

Last modified: 15.08.2014
IPCPUB v5.1

CPC version: 2014.02
FI version: 2013.11.01

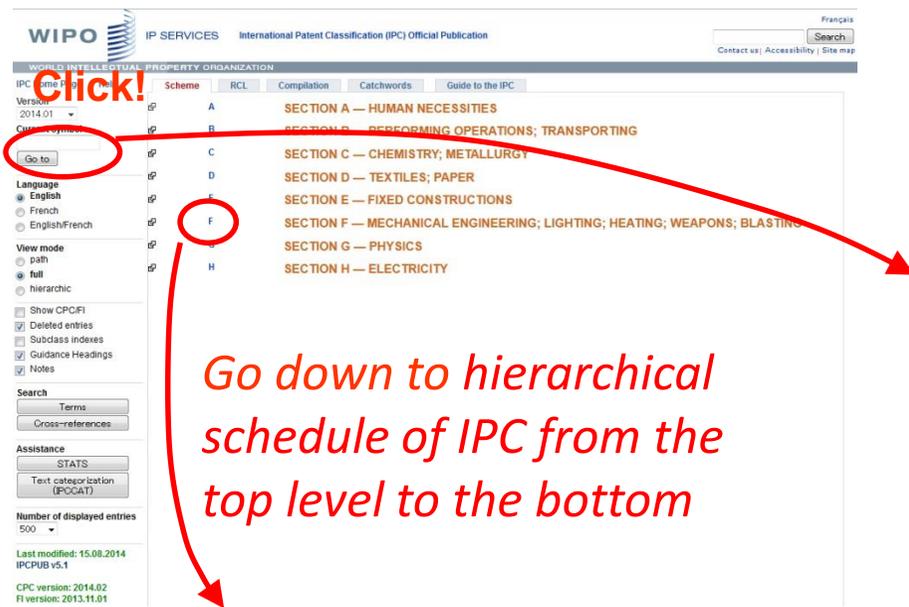
Scheme	RCL	Compilation	Catchwords	Guide to the IPC
A				SECTION A — HUMAN NECESSITIES
B				SECTION B — PERFORMING OPERATIONS; TRANSPORTING
C				SECTION C — CHEMISTRY; METALLURGY
D				SECTION D — TEXTILES; PAPER
E				SECTION E — FIXED CONSTRUCTIONS
F				SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
G				SECTION G — PHYSICS
H				SECTION H — ELECTRICITY

Cited from <http://wipo.int/ipcpub/>

IV. Reference tool

A. IPC Home Page -2/2

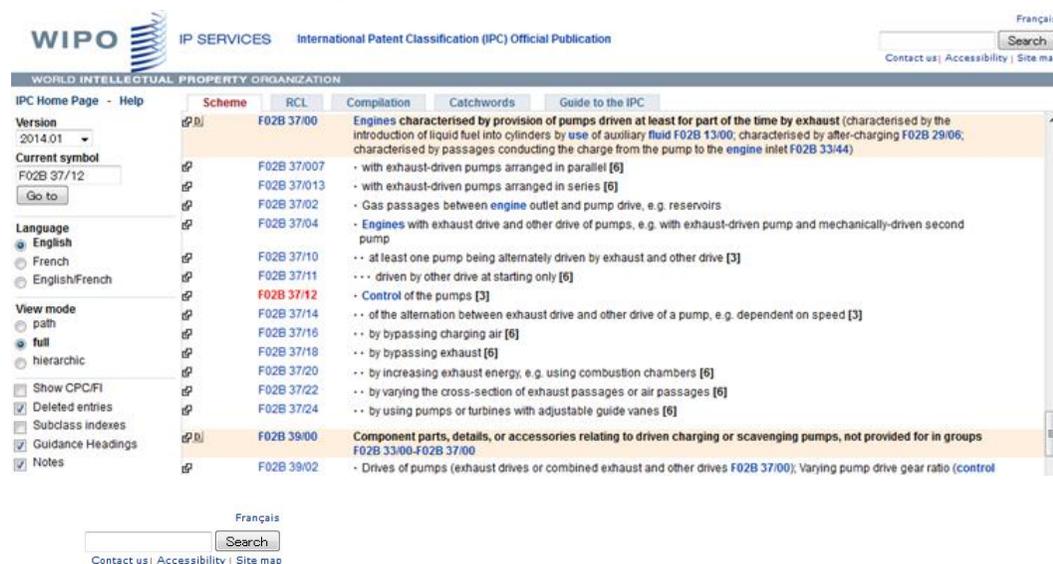
Jump to a specific point in the hierarchical schedule of IPC by entering its code



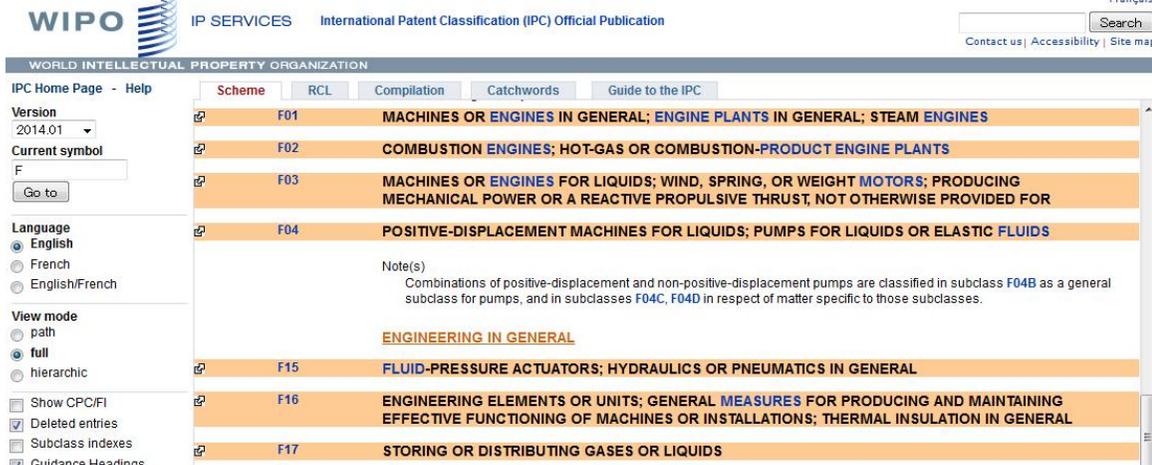
Click!

Scheme	RCL	Compilation	Catchwords	Guide to the IPC
A		SECTION A — HUMAN NECESSITIES		
B		SECTION B — PERFORMING OPERATIONS; TRANSPORTING		
C		SECTION C — CHEMISTRY; METALLURGY		
D		SECTION D — TEXTILES; PAPER		
E		SECTION E — FIXED CONSTRUCTIONS		
F		SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING		
G		SECTION G — PHYSICS		
H		SECTION H — ELECTRICITY		

Go down to hierarchical schedule of IPC from the top level to the bottom



Scheme	RCL	Compilation	Catchwords	Guide to the IPC
F02B 37/00		Engines characterised by provision of pumps driven at least for part of the time by exhaust (characterised by the introduction of liquid fuel into cylinders by use of auxiliary fluid F02B 13/06, characterised by after-charging F02B 29/06; characterised by passages conducting the charge from the pump to the engine inlet F02B 33/44)		
F02B 37/007		- with exhaust-driven pumps arranged in parallel [6]		
F02B 37/013		- with exhaust-driven pumps arranged in series [6]		
F02B 37/02		- Gas passages between engine outlet and pump drive, e.g. reservoirs		
F02B 37/04		- Engines with exhaust drive and other drive of pumps, e.g. with exhaust-driven pump and mechanically-driven second pump		
F02B 37/10		- at least one pump being alternately driven by exhaust and other drive [3]		
F02B 37/11		- driven by other drive at starting only [6]		
F02B 37/12		- Control of the pumps [3]		
F02B 37/14		- of the alternation between exhaust drive and other drive of a pump, e.g. dependent on speed [3]		
F02B 37/16		- by bypassing charging air [6]		
F02B 37/18		- by bypassing exhaust [6]		
F02B 37/20		- by increasing exhaust energy, e.g. using combustion chambers [6]		
F02B 37/22		- by varying the cross-section of exhaust passages or air passages [6]		
F02B 37/24		- by using pumps or turbines with adjustable guide vanes [6]		
F02B 39/00		Component parts, details, or accessories relating to driven charging or scavenging pumps, not provided for in groups F02B 33/00-F02B 37/00		
F02B 39/02		- Drives of pumps (exhaust drives or combined exhaust and other drives F02B 37/00); Varying pump drive gear ratio (control		



Scheme	RCL	Compilation	Catchwords	Guide to the IPC
F01		MACHINES OR ENGINES IN GENERAL; ENGINE PLANTS IN GENERAL; STEAM ENGINES		
F02		COMBUSTION ENGINES; HOT-GAS OR COMBUSTION-PRODUCT ENGINE PLANTS		
F03		MACHINES OR ENGINES FOR LIQUIDS; WIND, SPRING, OR WEIGHT MOTORS; PRODUCING MECHANICAL POWER OR A REACTIVE PROPULSIVE THRUST, NOT OTHERWISE PROVIDED FOR		
F04		POSITIVE-DISPLACEMENT MACHINES FOR LIQUIDS; PUMPS FOR LIQUIDS OR ELASTIC FLUIDS		
Note(s) Combinations of positive-displacement and non-positive-displacement pumps are classified in subclass F04B as a general subclass for pumps, and in subclasses F04C, F04D in respect of matter specific to those subclasses.				
ENGINEERING IN GENERAL				
F15		FLUID-PRESSURE ACTUATORS; HYDRAULICS OR PNEUMATICS IN GENERAL		
F16		ENGINEERING ELEMENTS OR UNITS; GENERAL MEASURES FOR PRODUCING AND MAINTAINING EFFECTIVE FUNCTIONING OF MACHINES OR INSTALLATIONS; THERMAL INSULATION IN GENERAL		
F17		STORING OR DISTRIBUTING GASES OR LIQUIDS		

IV. Reference tool

B. Patent Map Guidance (PMGS) – 1/14

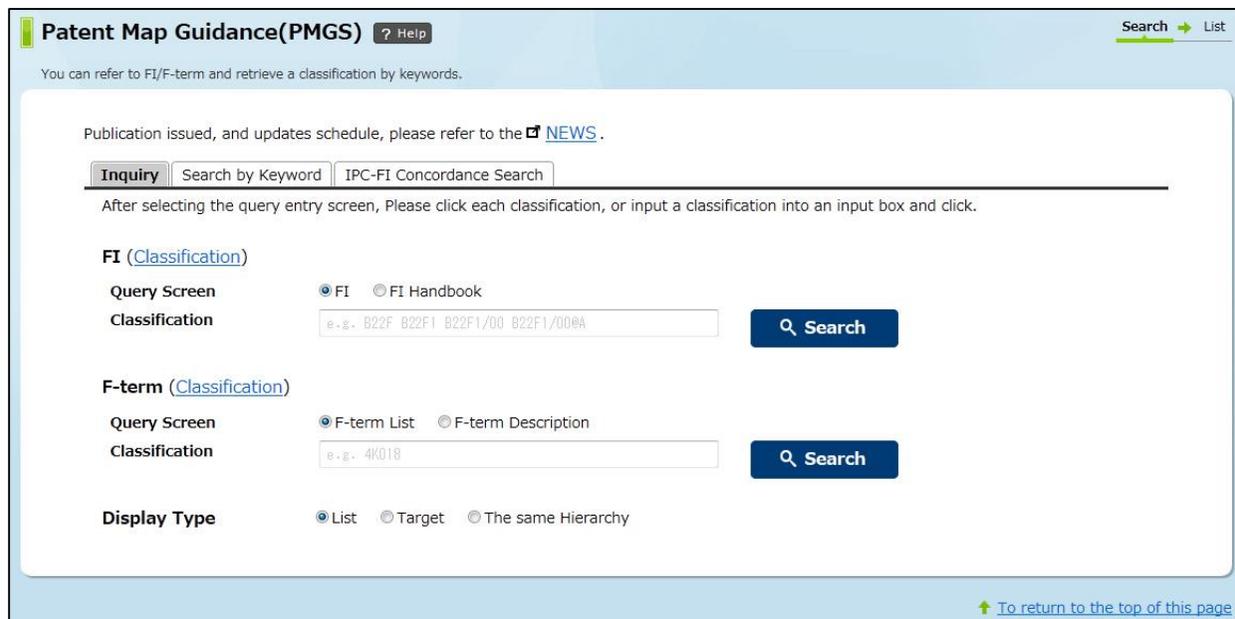
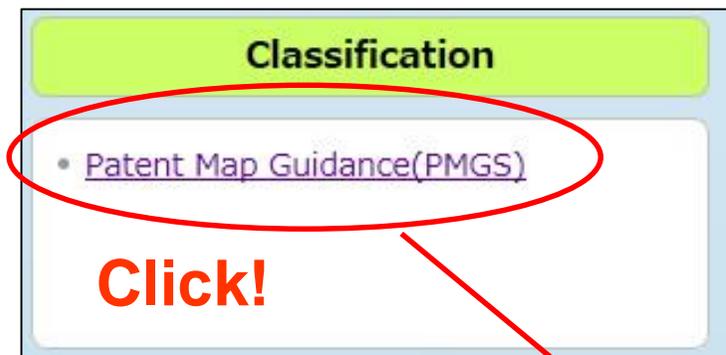
JPO home page <http://www.jpo.go.jp/index.htm>



Click the J-PlatPat banner

B. Patent Map Guidance (PMGS) – 2/14

Top menu of the J-PlatPat



Patent Map Guidance(PMGS) ? Help Search List

You can refer to FI/F-term and retrieve a classification by keywords.

Publication issued, and updates schedule, please refer to the [NEWS](#).

Inquiry Search by Keyword IPC-FI Concordance Search

After selecting the query entry screen, Please click each classification, or input a classification into an input box and click.

FI (Classification)

Query Screen FI FI Handbook

Classification

F-term (Classification)

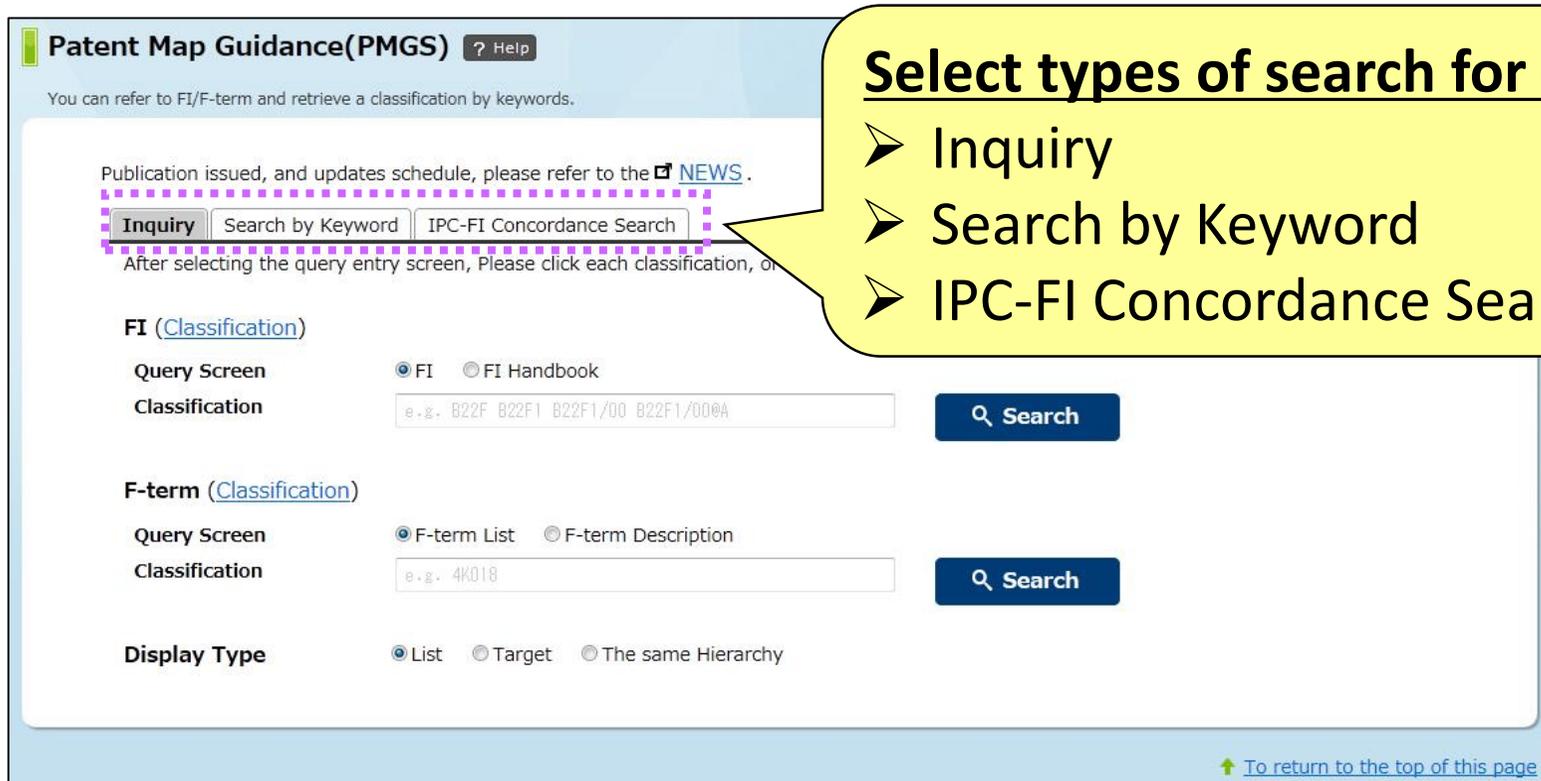
Query Screen F-term List F-term Description

Classification

Display Type List Target The same Hierarchy

[To return to the top of this page](#)

B. Patent Map Guidance (PMGS) – 3/14



Patent Map Guidance(PMGS) ? Help

You can refer to FI/F-term and retrieve a classification by keywords.

Publication issued, and updates schedule, please refer to the [NEWS](#).

Inquiry Search by Keyword IPC-FI Concordance Search

After selecting the query entry screen, Please click each classification, or

FI (Classification)

Query Screen FI FI Handbook

Classification

F-term (Classification)

Query Screen F-term List F-term Description

Classification

Display Type List Target The same Hierarchy

[To return to the top of this page](#)

Select types of search for classification

- Inquiry
- Search by Keyword
- IPC-FI Concordance Search

- ✓ Inquiry : FI/F-term search of specific classification
- ✓ Search by Keyword : FI/F-term search by using keywords
- ✓ IPC-FI Concordance Search : FI Search by using IPC

B. Patent Map Guidance (PMGS) – 4/14

Inquiry

Patent Map Guidance(PMGS) [? Help](#) [Search](#) [List](#)

You can refer to FI/F-term and retrieve a classification by keywords.

Publication issued, and updates schedule, please refer to the [NEWS](#).

Inquiry | Search by Keyword | IPC-FI Concordance Search

After selecting the query entry screen, Please click each classification, or input a classification into an input box and click.

FI (Classification)

Query Screen FI FI Handbook

Classification

F-term (Classification)

Query Screen F-term List F-term Description

Classification

Display Type List Target The same Hierarchy

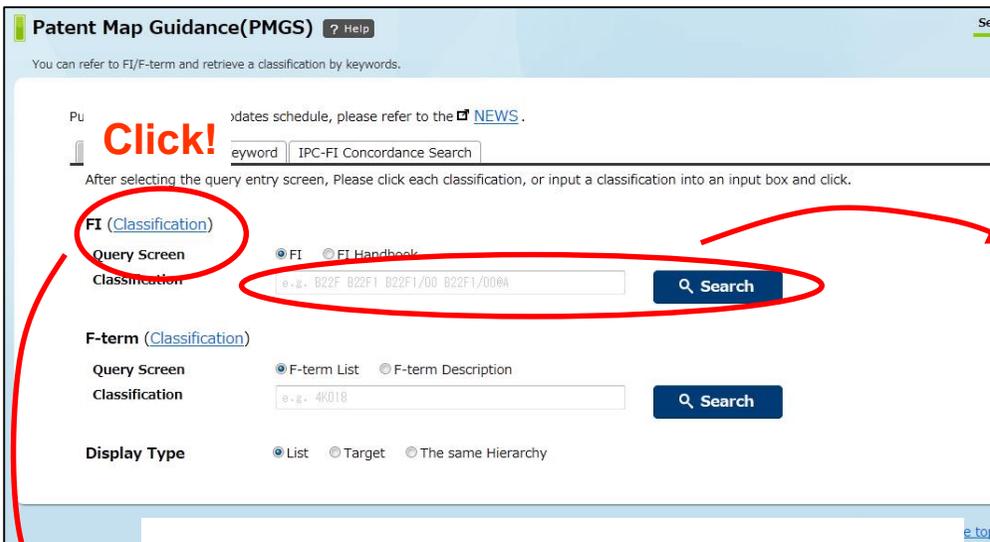
[↑ To return to the top of this page](#)

FI search

F-term search

B. Patent Map Guidance (PMGS) – 5/14

Jump to a specific point in the hierarchical schedule of FI by entering its code



Patent Map Guidance(PMGS) ? Help

You can refer to FI/F-term and retrieve a classification by keywords.

Keyword: IPC-FI Concordance Search

After selecting the query entry screen, Please click each classification, or input a classification into an input box and click.

Click!

FI (Classification)

Query Screen: FI FI Handbook

Classification:

F-term (Classification)

Query Screen: F-term List F-term Description

Classification:

Display Type

List Target The same Hierarchy

Go down to the hierarchical schedule of FI

FI(List Indication)	
This screen shows all FIs contained in the main group "G06F1/00". (HB : FI Handbook)	
• Display Type <input checked="" type="radio"/> List <input type="radio"/> Target <input type="radio"/> The same Hierarchy	
FI	Explanation
• 1/00	Details not covered by groups G06F 3/00-G06F 13/00 (architectures of general purpose stored programme computers G06F 15/76)
	310 . Structures
	311 . . Structures of areas adjacent to large computers
	A Structures of computer rooms
	B . Acoustic or seismic resistant structures
	C . Free-access floor structures
	D . . Seismic resistant structures
	F . Floor structures

Section	Explanation
• ASection	SECTION A — HUMAN NECESSITIES
• BSection	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
• CSection	SECTION C — CHEMISTRY; METALLURGY
• DSection	SECTION D — TEXTILES; PAPER

B. Patent Map Guidance (PMGS) – 6/14

■ FI(List Indication)

This screen shows all FIs contained in the main group "G06F3/00". (HB : FI Handbook)

• Display Type

List Target The same Hierarchy

FI	Explanation	Reference, etc.
• 3/00	Input arrangements for transferring data to be processed into a form capable of being handled by the computer; Output arrangements for transferring data from processing unit to output unit, e.g. interface arrangements [4]	5B041 HB
	A Related to connection, addition, cutoff, selection or switching the devices (W or Y takes precedence)	5B041 HB
	B . Active inserting or removal (inserting or withdrawing live wires) (Connections or disconnection without shutting off the power supply)	5B041 HB
	C . Non-contact connecting circuits (DC insulated connection)	5B041 HB
	D . . Optical coupling	5B041 HB
	E Optical transfer (including transfers with optical fibers) (including optical buses)	5B041 HB
	F Circuits for connecting or shutting off the bus lines (including circuit connection of abnormal buses) e.g. bus width conversion	5B041 HB
	G Bus driving circuits in general	5B041 HB
	H . Transmitters or receivers (including tristate buffers or latches)	5B041 HB

From FI, corresponding theme code can be known.

B. Patent Map Guidance (PMGS) – 7/14

Jump to an F-term schedule of a specific theme by selecting the “F-term list” button and entering its F-term theme code, e.g., “5B035”

Patent Map Guidance(PMGS) ? Help

You can refer to FI/F-term and retrieve a classification by keywords.

Publication issued, and updates schedule, please refer to the [NEWS](#).

Inquiry Search by Keyword IPC-FI Concordance Search

After selecting the query entry screen, Please click each classification, or input a classification into an input box and click.

FI ()

Query Classification FI FI Handbook

Click!

F-term (Classification)

Query Screen Classification F-term List F-term Description

Display Type List Target The same Hierarchy

List	Description
5B035	RECORD CARRIERS FOR DIGITAL MARKINGS
	G06K19/00-19/18

Viewpoint	F-term										FI Cover Range	
AA	AA00 PURPOSE *	AA01 . Increasing capacity	AA02 . Increasing speed	AA03 . Improving accuracy	AA04 . Facilitating manufacturing	AA05 . Reducing power consumption	AA06 . Using carriers for multiple purposes	AA07 . Reinforcing resistance *	AA08 . Reinforcing rigidity or measures against deformation *			G06K19/00-19/08
		AA11 . Measures against malfunctions or incorrect insertions *		AA13 . Measures against unauthorised use *	AA14 . . verifying the authorisation of users	AA15 . . verifying record carriers *						
BA	BA00	BA01	BA02	BA03	BA04	BA05	BA06	BA07		BA09		

Go down to the hierarchical schedule of F-term

Group of Theme Selection

A group can be chosen on this screen. Click on a group

2B	2C	2D	2E	2F	2G	2H	2K	2N
3B	3C	3D	3E	3F	3G	3H	3J	3K
3L	4B	4C	4D	4E	4F	4G	4H	4J
4K	4L	4M	5B	5C	5D	5E	5F	5G
5H	5J	5K	5L	5M				

B. Patent Map Guidance (PMGS) – 8/14

Inquiry Search by Keyword IPC-FI Concordance Search

After selecting the query entry screen, Please click each classification, or input a classification into an input box and click.

FI (Classification)

Query Screen FI FI Handbook

Classification

F-term (Classification)

Query Screen F-term List F-term Description

Classification

Display Type List Target The same Hierarchy

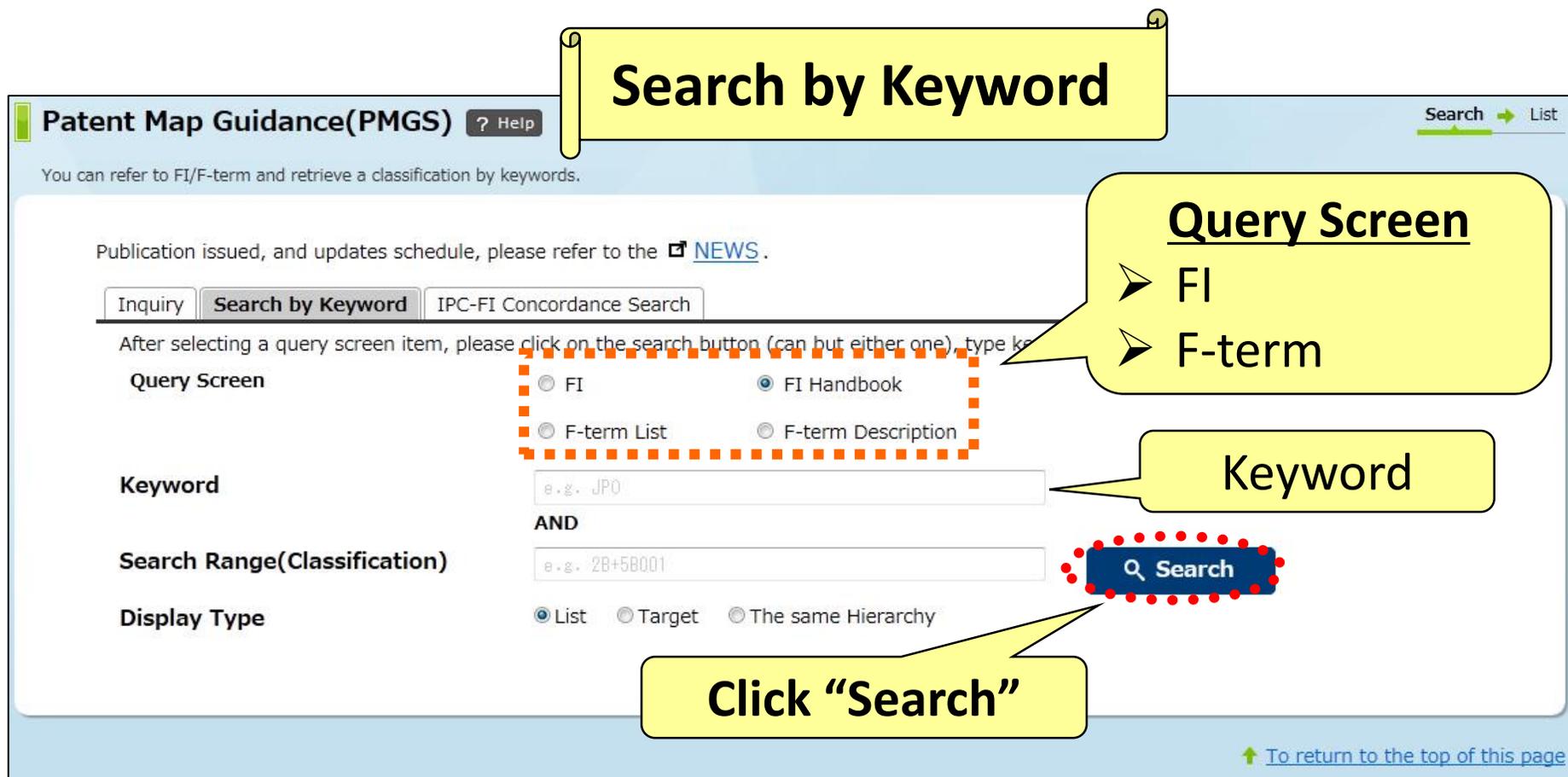
Jump to the definition of each term and other information of a specific theme by selecting the “F-term description” button and entering its theme code, e.g., “5B020”

Descriptions of F-terms

This screen displays a description of the F-term theme code “5B020”, about the point of view “AA”.

Term	Explanation
AA00	Input data This viewpoint covers the subject matter for data inputted with input devices. When input data are unknown, classification is not made under this viewpoint.
AA01	. Numbers
AA02	. Alphanumeric characters
AA03	. Kana This place covers the subject matter for kana input of word processors or the like.
AA04	. . Japanese syllabaries Example: A, I, U, E, O . . . in Kana

B. Patent Map Guidance (PMGS) – 9/14



Search by Keyword

Patent Map Guidance(PMGS) [? Help](#) Search → List

You can refer to FI/F-term and retrieve a classification by keywords.

Publication issued, and updates schedule, please refer to the [NEWS](#).

After selecting a query screen item, please click on the search button (can but either one), type key

Query Screen

- FI
- FI Handbook
- F-term List
- F-term Description

Keyword

AND

Search Range(Classification)

Display Type List Target The same Hierarchy

[↑ To return to the top of this page](#)

Query Screen

- FI
- F-term

Keyword

Click "Search"

B. Patent Map Guidance (PMGS) – 10/14

The search results list is displayed.

- Query Screen = FI
- Keyword = toy

Click the FI “[A41D11/00@K](#)”.

FI	Explanation
A41D11/00@K	. Equipped with a toy
• A47G19/22@S	. having an accessory (toy , etc.)
• A63B69/04	. simulating the movement of ho

Click “[A41D11/00@K](#)”

B. Patent Map Guidance (PMGS) – 11/14

Main group “**A41D11/00**”

FI(List Indication)

This screen shows all FIs contained in the main group "A41D11/00". (HB : FI Handbook)

• Display Type

List Target The same Hierarchy

FI	Explanation
• 11/00	Garments for children
	A Kinds of clothes for children
	B . Jackets
	C . Coverall
	D . . One-piece dresses
	E . Lower clothes
	F . . Lower clothes with chest and shoulder straps
	G . Overcoats
	H Functions of clothes for children
	J . Adjustment of height
	K . Equipped with a <i>toy</i>
	L . for both men and women

Clicked FI “**A41D11/00@K**”

B. Patent Map Guidance (PMGS) – 12/14

IPC-FI Concordance Search

Patent Map Guidance(PMGS) Search → List

You can refer to FI/F-term and retrieve a classification by keywords.

Publication issued, and updates schedule, please refer to the [NEWS](#).

Input IPC code to the query box and click Search button.

Classification

Display Type List Target The same Hierarchy

[↑ To return to the top of this page](#)

Enter IPC

Click "Search"

B. Patent Map Guidance (PMGS) – 13/14

Concordance List “G06T1/00”

Concordance List [IPC→FI]

IPC Code: G06T1/00

Display Type: List Target The same Hierarchy

Result

Hit count is 103.

IPC	FI
G06T1/00	G06T1/00
G06T1/00	G06T1/00@A
G06T1/00	G06T1/00@B
G06T1/00	G06T1/00@C
G06T1/00	G06T1/00@Z
G06T1/00	G06T1/00,200
G06T1/00	G06T1/00,200@A
G06T1/00	G06T1/00,200@B

B. Patent Map Guidance (PMGS) – 14/14

Details of JP publication

Front page of the publication

This means "Theme code"

特表2010-505189
(P2010-505189A)

(43) 公表日 平成22年2月18日 (2010.2.18)

(51) Int.Cl.

G06K 17/00 (2006.01)
G07G 1/12 (2006.01)
G08B 13/22 (2006.01)
H04B 5/02 (2006.01)

F I
 G06K 17/00 L
 G07G 1/12 3 2 1 Q
 G08B 13/22
 H04B 5/02
 G06K 17/00 F

テーマコード
 3E142
 5B058
 5C084
 5K012

This means "F-term"

F-term codes

Fターム	3E142	EA13	GA04	JA02								
	5B058	CA17	CA23	KA31	YA01	YA20						
	5C084	AA03	AA09	AA13	BB31	CC34	DD07	FF02	GG07	GG09	GG43	
		GG52										
	5K012	AB05	BA03									

Theme codes

Last page of the publication