

Case Study on
Classifying with Japanese Patent Classification

December 2013

JAPAN PATENT OFFICE

■ Identifying FI/F-term

- Patent Map Guidance in IPDL (Industrial Property Digital Library)
- IPC-FI-CPC parallel viewer in JPO website
- Identifying F-term additional code
- Note: untranslated FI/F-term

■ Let's try to classify with FI/F-term!!

Where?

- Patent Map Guidance in IPDL (Industrial Property Digital Library)
 - ✓ (English) http://www5.ipdl.inpit.go.jp/pmgs1/pmgs1/pmgs_E
 - ✓ (Japanese) <http://www5.ipdl.inpit.go.jp/pmgs1/pmgs1/pmgs>

- IPC-FI-CPC parallel viewer in JPO website
 - ✓ (English normal) http://www.jpo.go.jp/cgi/cgi-bin/search-portal/narabe_tool_e/narabe_e.cgi
 - ✓ (English concordance) http://www.jpo.go.jp/cgi/cgi-bin/search-portal/narabe_tool_e/narabe_con_e.cgi
 - ✓ (Japanese normal) http://www.jpo.go.jp/cgi/cgi-bin/search-portal/narabe_tool/narabe.cgi
 - ✓ (Japanese concordance) http://www.jpo.go.jp/cgi/cgi-bin/search-portal/narabe_tool/narabe_con.cgi

http://www5.ipdl.inpit.go.jp/pmgs1/pmgs1/pmgs_E

Patent Map Guidance

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• Inquiry

Click "FI" or "F-term". Or input FI / F-term code to the query box and click Search button.

Query

Search Object

- [FI](#)

e.g. : A61K A61K6 C08L27/06 A61K7/46@A A61K7/46,315@A

- [F-term](#)

F-term List F-term Description

e.g. : 2B 2B396

Indication type selection is effective in the lower hierarchies than the FI main group.

Indication Type List Target The same hierarchy

• IPC-FI Concordance Search

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

Query

IPC code

e.g. : A61K A61K6 A61K6/02 A01N25+B01B

IPC-FI-CPC scheme parallel viewer (normal)

http://www.jpo.go.jp/cgi/cgi-bin/search-portal/narabe_tool_e/narabe_e.cgi

FI and CPC groups having the same IPC symbol appear in parallel.

Sample: G

IPC: JP EN Both non-display symbol only
 FI: JP EN Both non-display
 ECLA: EN JP Both non-display
 ICO: EN JP Both non-display
 CPC: EN JP Both non-display
 CPC2000: EN JP Both non-display

FI without same-symbol IPC: display non-display
 FI dot pattern: pattern1 pattern2
 IPC doc number: On Off
 FI doc number: On Off
 CPC doc number: On Off

Select scheme and input symbol

IPC	FI	ECLA	CPC
H02B 1/04	Mounting thereon of switches or of other devices in general, the switch or device having, or being without, casing	H02B1/04	Mounting thereon of switches or of other devices in general, the switch or device having, or being without, casing
H02B 1/04A	related to mounting of members such as switches (including related metal pieces) (uses or current transformers 1/18)	H02B1/04B	[Mechanical coupling for side-by-side mounted apparatus]
H02B 1/04B	Mounted by penetrated into members	H02B1/04C	[Mounting on perforated supports by means of screws or locking members]
H02B 1/04C	related to mounting bodies or terminals with multiple different switches	H02B1/04C2	[the perforated support having openings distributed according to a pattern]
H02B 1/04D	related to mounting on mosaic panels (H 02 B 15/04 takes precedence)		
H02B 1/04E	characterised by mounting metal pieces (A, C take precedence)		
H02B 1/04Z	Others		
H02B 1/044	Mounting through openings	H02B1/044	Mounting through openings
H02B 1/048	Snap mounting	H02B1/048	Snap mounting
H02B 1/052	Mounting on rails	H02B1/052	Mounting on rails

FI Handbook is japanese only

IPC-FI-CPC scheme parallel viewer (concordance)

http://www.jpo.go.jp/cgi/cgi-bin/search-portal/narabe_tool_e/narabe_con_e.cgi

FI and CPC groups having concordance to IPC group appear in parallel.

☆ Scheme parallel viewer — concordance version — [normal ver.](#)

IPC ▾ H01B13/012 Sample: G

IPC: JP EN Both non-display symbol only

FI: JP EN Both non-display

ECLA: EN JP Both non-display

CPC: EN JP Both non-display

Display IPC level only: Off On

IPC doc number: On Off

FI doc number: On Off

CPC doc number: On Off

Select scheme and input symbol

IPC	FI	CPC
H01B 13/012 * for manufacturing wire harnesses 5077docs	H01B 13/00 513 Arrangements or methods for manufacturing wire harnesses (mounting of connectors to cables H 01 R 43/00) 98docs SG323:HE	H01B13/012 * for manufacturing wire harnesses 357docs
	H01B 13/00 513 A Characterised by terminating processes e.g. connection between cable and connector 346docs SG323:HE	H01B13/01209 ** [Details] 165docs
	H01B 13/00 513 B Characterised by Tying cables 241docs SG323:HE	H01B13/01218 ** [the wires being disposed by hand] 27docs
	H01B 13/00 513 C Characterised by wiring beads 50docs SG323:HE	H01B13/01227 *** [using a layout board] 130docs
	H01B 13/00 513 D Characterised by the use of wiring bases 402docs SG323:HE	H01B13/01236 ** [the wires being disposed by machine] 55docs
	H01B 13/00 513 Z Others 651docs SG323:HE	H01B13/01245 *** [using a layout board] 178docs
		H01B13/01254 ** [Flat-harness manufacturing] 200docs
		H01B13/01263 ** [Tying, wrapping, binding, lacing, strapping or sheathing harnesses] 135docs
		H01B13/01272 *** [Harness tying apparatus] 52docs
		H01B13/01281 *** [Harness wrapping apparatus] 66docs
		H01B13/0129 *** [Sheathing harnesses with foil material] 59docs
H01B 13/016 * for manufacturing co-axial cables (applying discontinuous insulation H01B13/20) 1128docs	H01B 13/00 553 Arrangements or methods for manufacturing coaxial cables 8docs SG323:HE	H01B13/016 * for manufacturing co-axial cables (applying discontinuous insulation H01B13/20) 249docs
	H01B 13/00 Coaxial cables with air-gap type insulator 47docs SG323:HE	H01B13/0162 ** [of the central conductor] 64docs


FI Handbook is japanese only

How?

□ IPC -> FI -> F-term concordance

- ✓ Step 1: Identifying IPC
- ✓ Step 2: Identifying FI from IPC
- ✓ Step 3: Identifying F-term (theme code) from FI

WIPO website (IPCPUB)



The screenshot shows the WIPO website interface for the International Patent Classification (IPC) Official Publication. The page is titled "WORLD INTELLECTUAL PROPERTY ORGANIZATION" and "International Patent Classification (IPC) Official Publication". The main content area displays a list of sections (A through H) with their corresponding titles. A search bar is visible in the top right corner. The left sidebar contains various navigation and filtering options, including a search section highlighted with a red box.

Identifying IPC with keywords

**H04M1/02:
Constructional features of telephone sets**

Patent Map Guidance

Patent Map Guidance

MENU **NEWS** **HELP**

- Inquiry**
Click "FI" or "F-term". Or input FI / F-term code to the query box and click Search button.

Query	Search Object
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 - [FI](#)

e.g. : A61K A61K6 C08L27/06 A61K7/46@A A61K7/46,315@A
 - [F-term](#)
 F-term List F-term Description
e.g. : 2B 2B396

Indication type selection is effective in the lower hierarchies than the FI main group.
Indication Type List Target The same hierarchy
- IPC-FI Concordance Search**
Input IPC code to the query box and click Search button.

Query	
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IPC code
e.g. : A61K A61K6 A61K6/02 A01N25+B01B

H04M1/02:
**Constructional features
of telephone sets**

Patent Map Guidance

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**** IPC-FI Concordance Search ****

If you want to search again, input IPC code to the query box and click Search button.
Refer to HELP for a detailed input method.

IPC code

e.g. : A61K A61K6 A61K6/02 A01N25+B01B

Search Results 11

Click on a subgroup after you select Indication Type.
Refer to HELP for the details of the Indication Type.

Indication Type List Target The same hierarchy

IPC-FI Search Results 11

IPC	FI
H04M1/02	H04M1/02
H04M1/02	H04M1/02@A
H04M1/02	H04M1/02@B
H04M1/02	H04M1/02@C
H04M1/02	H04M1/02@D
H04M1/02	H04M1/02@E
H04M1/02	H04M1/02@F
H04M1/02	H04M1/02@G
H04M1/02	H04M1/02@H
H04M1/02	H04M1/02@J
H04M1/02	H04M1/02@Z

IPC to FI
concordance

Patent Map Guidance

MENU **HELP** [TOP](#) [BACK](#) [NEXT](#) [Former main group](#) [Following main group](#) [Main group selection](#)
[Revision Information](#) (Japanese only)

**** FI (List Indication) ****

This screen shows all FIs contained in the main group "H04M1/00".

Click on a subgroup after you select Indication Type.
Refer to HELP for the details of the Indication Type.

Indication Type List Target The same hierarchy

R . . . Multi-function telephone (loudspeaker telephone 1/6U to 6Z, automatic answering telephone)	5K127
S . . . Functions for origination/termination	5K127
U . . . Coupling with other electrical components	5K127
V . . . Said electrical component linked with telephone operation	5K127
Q Coupling the telephone with another sub-station	5K127
Z Others	5K127
• 1/02 . . . Constructional features of telephone sets	5K023
A Indication or button	5K023
B Special telephone (including a special structure or application)	5K023
C . Cordless telephone	5K023
D . Public telephone	5K023
E . Multi-function telephone	5K023
F . . Pushbutton telephone	5K023
G . Inter-phone	5K023
H . Handset type	5K023
J . Decorative telephone	5K023
Z Others	5K023
• 1/03 . . . Constructional features of telephone transmitters or receivers	5K023
A handset	5K023
B Microphone	5K023
C Receiver	5K023
Z Others	5K023
• 1/04 . . . Supports for telephone transmitters or receivers	5K023
A Base or stand	5K023

FI to F-term (theme code) concordance

Patent Map Guidance

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**** F-term List ****

This screen shows the F-term list of the theme "5K023".

5K023 Telephone set structure
 H04M1/02-1/23@Z

find relevant F-terms on this list

Viewpoint	F-term										
AA	AA00	APPLICATIONS	. Public telephones	. Card telephones	. Push-button telephones (i.e., keyboard telephones)	. Home telephones	. Intercoms	. Conference telephones	. Portable telephones	. Cordless telephones	. Car phone
	AA01										
	AA11	. Ship telephones	. Security telephones	. Emergency telephones							
BB	BB00	PURPOSE, FUNCTIONS	. Improving decoration	. Improving portability	. Making smaller, thinner	. Lower cost by reducing the number of parts, the amount of materials or by simplifying manufacture		. Improving handset functions	. Preventing unwanted transmissions	. Preventing eavesdropping	. Eliminating background noise
	BB01										
	BB11	. Improving operation	. Preventing operating errors	. Preventing mis-dialing	. Preventing partial hang-up	. Speed dialing	. Automatic dialing	. On-hook dialing	. Hands-free dialing		
	BB21	. Improving maintenance		. Improving safety	. Explosion-proofing	. Improving dust-proofing, waterproofing	. Improving durability	. Improving impact resistance	. Electromagnetic shielding, electrical field shielding, magnetic field		

IPC-FI-CPC scheme parallel viewer (concordance)

☆ Scheme parallel viewer —concordance version— [normal ver.](#)

IPC: Sample: G06F3 or G06F3/ or G06F3/00 or G06F3/02 etc... [help](#)

IPC: JP EN Both non-display symbol only FI dot pattern: pattern1 pattern2
FI: JP EN Both non-display Display IPC level only: Off On
ECLA: EN JP Both non-display
CPC: EN JP Both non-display

**H04M1/02:
Constructional features
of telephone sets**

Select IPC and input symbol

Select IPC and FI

IPC	IPC	FI	FI
		H04M 1/00 V	2783 docs: 5K127 : HB
		H04M 1/00 Q	Coupling the telephone with another sub-station 624 docs: 5K127 : HB
		H04M 1/00 Z	Others 793 docs: 5K127 : HB
H04M 1/02	Constructional features of telephone sets 63103 docs	H04M /02	Constructional features of telephone sets 232 docs: 5K023 : HB
		H04M /02 A	Indication or button 3239 docs: 5K023 : HB
		H04M /02 B	Special telephone (including a special structure or application) 425 docs: 5K023 : HB
		H04M /02 C	Cordless telephone 16530 docs: 5K023 : HB
		H04M /02 D	Public telephone 159 docs: 5K023 : HB
		H04M /02 E	Multi-function telephone 210 docs: 5K023 : HB
		H04M /02 F	Pushbutton telephone 89 docs: 5K023 : HB
		H04M /02 G	Inter-phone 758 docs: 5K023 : HB
		H04M /02 H	Handset type 314 docs: 5K023 : HB
		H04M /02 J	Decorative telephone 267 docs: 5K023 : HB
		H04M /02 Z	Others 730 docs: 5K023 : HB
H04M 1/03	Constructional features of telephone transmitters or receivers, e.g. telephone hand-sets 8660 docs	H04M /03	Constructional features of telephone transmitters or receivers, e.g. telephone han 185 docs: 5K023 : HB

FI to F-term (theme code) concordance

Patent Map Guidance

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**** F-term List ****

This screen shows the F-term list of the theme "5K023".

5K023 Telephone set structure
H04M1/02-1/23@Z

find relevant F-terms on this list

Viewpoint	F-term									
AA	AA00	AA01	AA02	AA03	AA04	AA05	AA06	AA07	AA08	AA09
	APPLICATIONS	. Public telephones	. Card telephones	. Push-button telephones (i.e., keyboard telephones)	. Home telephones	. Intercoms	. Conference telephones	. Portable telephones	. Cordless telephones	. Car phone
	AA11	AA12	AA13							
		. Ship telephones	. Security telephones	. Emergency telephones						
BB	BB00	BB01	BB02	BB03	BB04		BB06	BB07	BB08	BB09
	PURPOSE, FUNCTIONS	. Improving decoration	. Improving portability	. Making smaller, thinner	. Lower cost by reducing the number of parts, the amount of materials or by simplifying manufacture		. Improving handset functions	. Preventing unwanted transmissions	. Preventing eavesdropping	. Eliminating background noise
	BB11	BB12	BB13	BB14	BB15	BB16	BB17	BB18		
		. Improving operation	. Preventing operating errors	. Preventing mis-dialing	. Preventing partial hang-up	. Speed dialing	. Automatic dialing	. On-hook dialing	. Hands-free dialing	
	BB21		BB23	BB24	BB25	BB26	BB27	BB28		
	. Improving maintenance		. Improving safety	. Explosion-proofing	. Improving dust-proofing, waterproofing	. Improving durability	. Improving impact resistance	. Electromagnetic shielding, electrical field shielding, magnetic field		

F-term - additional codes

This screen shows the F-term list of the theme "3E067".

3E067
 Package bodies
 B65D67/00-79/02;81/18-81/30@Z;81/38-81/38@Z

This screen shows the F-term list of the theme "3E067".

		BA00	BA01	BA02	BA03	BA04	BA05	BA06	
AA	COMMODITY CONFIGURATIONS FOR PACKAGED OBJECTS	TYPES OF UNIT, INTERIOR AND EXTERIOR CONTAINERS OR WRAPPING MATERIALS	.. Rigid containers	.. Integrated molded containers	... Bottle-type containers	... Cans	.. Boxes	... Cardboard boxes	.. C
			.. Tube objects	.. Containers	.. Cards, sheet-like materials and pasteboard	.. Wrapping materials			
AB	NAMES OF COMMODITIES FOR PACKAGED OBJECTS		.. Configurations formed into a tube shape in advance	.. Configurations with one end closed in advance		.. Web-like configurations	.. Configurations with concave elements	.. Configurations having multiple concave elements	.. Containers having concave elements
			.. Configurations wrapped by means of two or more wrapping materials	.. Configurations using at least one blank	.. Configurations with concave elements	.. Configurations having multiple concave elements	.. Configurations having concave elements on both wrapping materials	.. Configurations with uneven processing	.. Containers with multiple elements
BB	COMPOSITION OF UNIT, INTERIOR AND EXTERIOR CONTAINERS OR WRAPPING		.. Paper	.. Cardboard	... Materials with processed surfaces (chemical paper and synthetic	.. Cellophane	.. Cloth	.. Non-woven cloth	.. Materials



click on viewpoint hyperlink to see additional codes

* * F-term Theme of Additional Code Selection * *

TOP BACK NEXT

3E067 Package bodies

3E078 Machines for manufacturing paper-making processes

3E096 Packaging of fragile

3G066 Fuel injection equipment

3G091 Exhaust gas after treatment

3G092 Output control and control of special type engine

3G301 Electrical control of the air and fuel supply to internal combustion engines

3J552 Control of transmission device

4B034 Paste products from fish meats

4B044 Manufacturing of cigarettes and

4B050 Enzymes and modification thereof

4B065 Microorganisms and culturing processes

4C076 Medicinal preparations

4C081 Materials for medical uses

4C083 Cosmetics

4C084 Medicines that contain protein

4D006 Separation using semi-permeable membranes

4D048 Waste gas treatment by catalysis

click on theme code to display additional codes

THEME CODE	THEME NAME	
3E067	Package bodies	
VIEWPOINT	DESCRIPTION	ADDITIONAL CODE
BA	TYPES OF UNIT, INTERIOR AND EXTERIOR CONTAINERS OR WRAPPING MATERIALS	A: Simple containers B: Inner containers C: Outer containers
BB	COMPOSITION OF UNIT, INTERIOR AND EXTERIOR CONTAINERS OR WRAPPING MATERIALS	
BC	CONFIGURATIONS OF UNIT, INTERIOR AND EXTERIOR CONTAINERS OR WRAPPING MATERIALS	

MENU **HELP** [TOP](#) [BACK](#) [NEXT](#) [F](#)
[Revision Information \(Ja](#)

**** FI (List Indication) ****

This screen shows all FIs contained in the main group "H04W4/00".

Click on a subgroup after you select Indication
Refer to HELP for the details of the Indication

Indication Type List Target The same hierarchy

- [4/00](#) (Not Translated) [5K067](#)
 - 110 (Not Translated) [5K067](#)
 - 111 (Not Translated) [5K067](#)
- [4/02](#) (Not Translated) [5K067](#)
 - 110 (Not Translated) [5K067](#)
 - 130 (Not Translated) [5K067](#)
 - 150 (Not Translated) [5K067](#)
- [4/04](#) (Not Translated) [5K067](#)
 - 110 (Not Translated) [5K067](#)
 - 111 (Not Translated) [5K067](#)
 - 113 (Not Translated) [5K067](#)

170 (Not Translated) [5K067](#)

Note: some FI schemes are not translated (refer to the Japanese version of FI schemes instead)

English translations of recently revised FI may be delayed.

メニュー

ヘルプ

先頭

* * FI(一覧表示) * *

Japanese FI scheme of H04W

この画面は、メイングループH04W4/00内の「FI」を全て表示しています。(CC:コンコードダンス、HB:FIハンドブック)

・表示種別を変更する場合は表示種別を選択後、サブグループまたはHBをクリックしてください。表示種別の違いはヘルプを参照して下さい

表示種別 一覧表示 ターゲット表示 同階層表示

• 4/00 無線通信ネットワークに特に適合するサービスまたは設備 [2009. 01]	5K067 CC HB
110 複数のネットワークを協働させるもの	5K067 CC HB
111 複数のネットワークを同時に使用するもの	5K067 CC HB
• 4/02 ユーザまたは端末の位置を利用したサービス [2009. 01]	5K067 CC HB
110 地域情報サービス	5K067 CC HB
130 携帯端末を使った道案内 [ナビゲーション]	5K067 CC HB
150 位置管理; 通話相手の位置表示	5K067 CC HB
• 4/04 専用の環境, 例. ビル, 車 [2009. 01]	5K067 CC HB
110 自動車	5K067 CC HB
111 路車間	5K067 CC HB
113 車車間	5K067 CC HB
115 車内通信	5K067 CC HB
130 列車	5K067 CC HB
150 その他の乗り物	HB
170 商品, 物品管理	HB
190 センサー情報の収集のためのもの	HB
• 4/06 選択的配信または放送; ユーザグループ	HB

TIP: copy&paste URL of FI scheme into translation engine!

☆ Scheme parallel viewer —concordance version— [normal ver.](#)

IPC ▼ H04W4/00 Disp

Japanese FI scheme of H04W

- IPC: JP EN Both non-display symbol only
 FI: JP EN Both non-display
 ECLA: EN JP Both non-display
 CPC: EN JP Both non-display
- FI dot pattern: pattern1 pattern2
 Display IPC level only: Off On
 IPC doc number: On Off
 FI doc number: On Off
 CPC doc number: On Off

H04W 4/00	Services or facilities specially adapted for wireless communication networks	25359docs	H04W 4/00	無線通信ネットワークに特に適合するサービスまたは設備 [2009. 01]	(Not Translated)	353docs	5K067	HB
			H04W 4/00 110	複数のネットワークを協働させるもの	(Not Translated)	482docs	5K067	HB
			H04W 4/00 111	複数のネットワークを同時に使用するもの	(Not Translated)	256docs	5K067	HB
H04W 4/02	Services making use of the location of users or terminals	21128docs	H04W 4/02	ユーザまたは端末の位置を利用したサービス [2009. 01]	(Not Translated)	1601docs	5K067	HB
			H04W 4/02 110	地域情報サービス	(Not Translated)	1914docs	5K067	HB
							5K067	HB
							5K067	HB
H04W	in a dedicated environment, e.g. buildings or vehicles	8090docs	H04W	専用の環境、例、ビル、	(Not Translated)	2308docs	5K067	HB

TIP: copy&paste URL of FI scheme into translation engine!

Untranslated F-term list

** F-term List **

This screen shows the F-term list of the theme "3K243".

(Remarks)
(Not Translation)

Note: some F-term lists are not translated (refer to the Japanese version of F-term list instead)

3K243		(Not Translation)								
		F21M1/00-15/00;F21P1/00-7/00;F21Q1/00-5/00;F21S1/00-1/00@D;1/00@F-19/00@Z								
AA	A00	A01	A02	A03	A04	A05	A06		A08	A09
	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)		(Not Translation)	(Not Translation)
		AA11	AA12	AA13						
		(Not Translation)	(Not Translation)	(Not Translation)						
AB	A00	A01	A02	A03	A04	A05				
	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)				
AC	A00	A01	A02	A03	A04	A05	A06	A07	A08	A09
	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)
BA	A00	A01	A02	A03	A04	A05	A06	A07	A08	A09
	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)
		BA11	BA12							
		(Not Translation)	(Not Translation)							
BB	E00	E01	E02	E03	E04	E05	E06	E07	E08	E09
	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)
		BB11	BB12	BB13	BB14	BB15	BB16	BB18	BB19	
		(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)
		BC11	BC12	BC13	BC14	BC15	BC16	BC17	BC18	BC19
		(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)	(Not Translation)

English translations of recently revised F-term may be delayed.

Japanese F-term list for theme 3K243

この画面は、Fターム「3K243」をリスト表示しています。

(備考欄)

3K042, 3K060, 3K080, 3K043(一部)テーマ統合(H18)

3K243		非携帯用の照明装置またはそのシステム							照明		
		F21M1/00-15/00;F21P1/00-7/00;F21Q1/00-5/00;F21S1/00-1/00@D;1/00@F-19/00@Z									
AA	AA00	AA01	AA02	AA03	AA04	AA05	AA06	AA07	AA08	AA09	AA10
	投光装置の用途	・車両用以外の用途							・車両用の前照灯	・二・三輪車の前照灯	・自転車用の前照灯
		AA11									
		・補助前照灯									
AB	AB00	AB01	AB02	AB03	AB04	AB05	AB06	AB07	AB08	AB09	AB10
	投光装置の共通事項	・部品の製造に特徴があるもの	・特徴があるもの	の	るもの	搬送のための工夫					
AC	AC00	AC01	AC02	AC03	AC04	AC05	AC06	AC07	AC08	AC09	AC10
	投光装置の灯具のタイプ	・灯具の形	・丸形	・楕円形	・角形	・シールドビーム型	・光源	・フィラメント素子からなるもの	・C-6/C-6型式(図面)	・C-8/C-6型式(図面)	・H4型式(図面)
BA	BA00	BA01	BA02	BA03	BA04	BA05	BA06	BA07	BA08	BA09	BA10
	投光装置のハウジング(灯室内は除く)	・反射器を兼ねたもの	・反射器とその後部のケーシングからなるもの	・反射器とケーシングとの結合	・ケーシング内部の細部	・ハウジング外面の細部	・装置の取付、支持部に特徴があるもの	・各要素全体を覆うケーシングからなるもの	・ケーシング内部の細部	・複数のバルブが内蔵されたもの	・ハウジング外面の細部
		BA11	BA12								
		・取手、ハンドルに特徴があるもの	・装置の取付、支持部に特徴があるもの								
BB	BB00	BB01	BB02	BB03	BB04	BB05	BB06	BB07	BB08	BB09	BB10
	投光装置の反射部	・単一体の反射器からなるもの	・反射面の種類に特徴があるもの	・回転放射物線面であるもの	・回転双曲線面であるもの	・回転楕円面であるもの	・2以上の反射面を組合せたもの	・光軸の直角方向に反射面が異なるもの	・光軸方向に反射面が異なるもの	・多数の一定形状の反射面を全面に配置	・非反射面を配置したものの
		BB11	BB12								
		・2以上の別体の反射器からなるもの	・主反射面に対する副反射面を有するもの	・前方を照らすもの						によるもの	
BC	BC00	BC01	BC02	BC03	BC04	BC05	BC06	BC07	BC08	BC09	BC10
	投光装置の屈折器	・1つのレンズからなるもの	・2以上のレンズ素子を有するもの	・素子の						のレンズを有するもの	・防眩の工夫がなされたもの
		BC11	BC12	BC13	BC14	BC15	BC16	BC17	BC18	BC19	

information on latest revision of this F-term

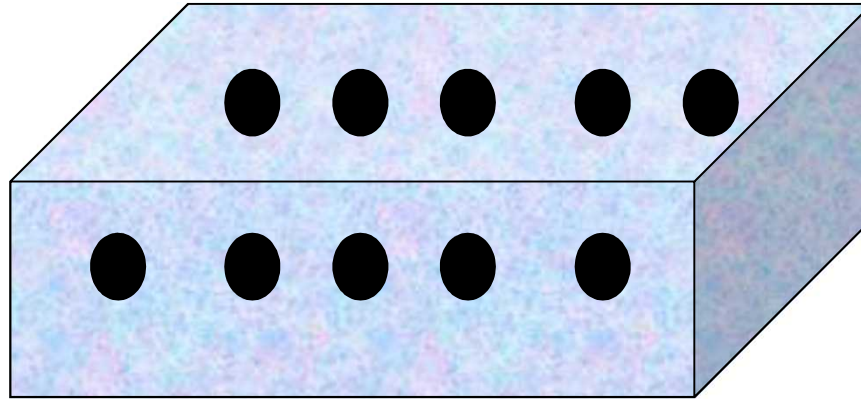
TIP: copy&paste URL of F-term list into translation engine!

■ Identifying FI/F-term

- Patent Map Guidance in IPDL (Industrial Property Digital Library)
- IPC-FI-CPC parallel viewer in JPO website
- Identifying F-term additional code
- Note: untranslated FI/F-term

■ Let's try to classify with FI/F-term!!

Example: **Rectangular pillow having magnets**



Example: **Rectangular pillow having magnets**

- ❑ IPC: A47G 9/10
- ❑ FI: A47G9/10 D
- ❑ theme code: 3B102
- ❑ F-term: AA02, AB06

Thank you !

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