

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	F16L	53/001, 53/002, 53/004, 53/005, 53/007, 53/008
Symbols New:	F16L	53/30, 53/32, 53/34, 53/35, 53/37, 53/38, 53/70, 53/75
Titles Changed:	F16L	53/00
Warnings New:	F16L	53/00, 53/70, 53/75
DEFINITIONS:		
Definitions Modified:	F16L	53/00

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):
E03B7/09, F01N3/00, F16K49/00, F17D1/05, H05B6/00

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS F16L - PIPES; JOINTS OR FITTINGS FOR PIPES; SUPPORTS FOR PIPES, CABLES OR PROTECTIVE TUBING; MEANS FOR THERMAL INSULATION IN GENERAL

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	F16L53/00	0	Heating of pipes or pipe systems; Cooling of pipes or pipe systems	F16L53/00, F16L53/70, F16L53/75
D	F16L53/001	1	{Heating of pipes or pipe systems}	< administrative transfer to F16L53/30>
D	F16L53/002	2	{by means of a hot fluid, e.g. gas, steam or liquid}	< administrative transfer to F16L53/32>
D	F16L53/004	2	{by electric, magnetic or electromagnetic fields, e.g. using induction, dielectric or microwave heating}	< administrative transfer to F16L53/34>
D	F16L53/005	2	{by ohmic-resistance heating}	< administrative transfer to F16L53/35>
D	F16L53/007	3	{the heating current flowing directly through the pipe to be heated}	< administrative transfer to F16L53/37>
D	F16L53/008	3	{using electric heating elements in the form of wires, cables, strips, ribbons or the like}	< administrative transfer to F16L53/38>
N	F16L53/30	1	Heating of pipes or pipe systems	
N	F16L53/32	2	using hot fluids	
N	F16L53/34	2	using electric, magnetic or electromagnetic fields, e.g. using induction, dielectric or microwave heating	
N	F16L53/35	2	Ohmic-resistance heating	
N	F16L53/37	3	the heating current flowing directly through the pipe to be heated	
N	F16L53/38	3	using elongate electric heating elements, e.g. wires or ribbons	
N	F16L53/70	1	Cooling of pipes or pipe systems	
N	F16L53/75	2	using cooling fins	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

NOTES:

- **No { curly brackets } are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The { curly brackets } are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

B. New, Modified or Deleted Warning notice(s)

SUBCLASS F16L - PIPES; JOINTS OR FITTINGS FOR PIPES; SUPPORTS FOR PIPES, CABLES OR PROTECTIVE TUBING; MEANS FOR THERMAL INSULATION IN GENERAL

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	F16L 53/00		Group F16L 53/00 is impacted by reclassification into groups F16L 53/70 and F16L 53/75. Groups F16L 53/00, F16L 53/70, and F16L 53/75 should be considered in order to perform a complete search.
N	F16L 53/70		Group F16L 53/70 is incomplete pending reclassification of documents from group F16L 53/00. Groups F16L 53/00 and F16L 53/70 should be considered in order to perform a complete search.
N	F16L 53/75		Group F16L 53/75 is incomplete pending reclassification of documents from group F16L 53/00. Groups F16L 53/00 and F16L 53/75 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The “Location” column only requires the symbol PRIOR to the location of the warning. No further directions such as “before” or “after” are required.

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
F16L53/00	Limiting references	Heating or cooling of hoses F16L 11/12	<u>Delete</u> entire table
F16L53/00	Application-oriented references	Preventing freezing of pipes, thawing frozen pipes E03B 7/12; E03B 7/14 Pipe-line systems, pipe-lines F17D Heat exchangers F28D	<u>Replace</u> with: Devices for preventing freezing of pipes in water main or service pipe systems E03B 7/12 Devices for thawing frozen pipes in water main or service pipe systems E03B 7/14 Heating or cooling of hoses F16L 11/12
F16L53/00	Informative references	Heating or cooling of valves F16K 31/002	<u>Insert</u> the following two <u>new</u> rows into the Informative references table: Pipe-line systems, pipe-lines F17D Heat exchangers F28D

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	F16L 53/00	F16L 53/00, F16L 53/70, F16L 53/75
D	F16L 53/001	< administrative transfer to F16L 53/30>
D	F16L 53/002	< administrative transfer to F16L 53/32>
D	F16L 53/004	< administrative transfer to F16L 53/34>
D	F16L 53/005	< administrative transfer to F16L 53/35>
D	F16L 53/007	< administrative transfer to F16L 53/37>
D	F16L 53/008	< administrative transfer to F16L 53/38>

C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries.

NOTES:

- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
F16L 53/001		DELETE
F16L 53/002		DELETE
F16L 53/004		DELETE
F16L 53/005		DELETE
F16L 53/007		DELETE
F16L 53/008		DELETE
F16L 53/30	F16L 53/30	NEW
F16L 53/32	F16L 53/32	NEW
F16L 53/34	F16L 53/34	NEW
F16L 53/35	F16L 53/35	NEW
F16L 53/37	F16L 53/37	NEW
F16L 53/38	F16L 53/38	NEW
F16L 53/70	F16L 53/70	NEW
F16L 53/75	F16L 53/75	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

CPC NOTICE OF CHANGES 480

DATE: JANUARY 1, 2018

PROJECT RP0494

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
E03B 7/09	heating of pipes in general F16L53/00	Replace with: heating or cooling of pipes or pipe systems F16L53/00
F16K49/00	for pipes F16L53/00	Replace with: heating or cooling of pipes or pipe systems F16L53/00
F17D 1/05	F16L53/00	F16L53/30

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
F01N 3/00	F16L 53/001	Special rules of classification	F16L53/30
H05B 6/00	F16L 53/004	Limiting references	F16L53/34

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced D** symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced F** symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.