

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 783

DATE: JANUARY 1, 2020

PROJECT RP0622

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Titles Changed:	F23J	subclass
	F23J	1/00
	F23J	3/00, 3/02
	F23J	7/00
	F23J	11/00
	F23J	13/00, 13/025, 13/04, 13/08
	F23J	15/00, 15/003, 15/02
Warnings Modified:	F23J	subclass
<b>DEFINITIONS:</b>		
Definitions New:	F23J	3/02
	F23J	13/025, 13/04, 13/08
	F23J	15/003
Definitions Modified:	F23J	SUBCLASS
	F23J	1/00
	F23J	3/00
	F23J	7/00
	F23J	11/00
	F23J	13/00
	F23J	15/00

**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)

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## 1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS F23J – REMOVAL OR TREATMENT OF COMBUSTION PRODUCTS OR COMBUSTION RESIDUES** {(from fluidised-bed combustion apparatus F23C 10/24)}; **FLUES** (precipitating dust from flue gases B01D; composition of fuel C10; combustion apparatus for consuming smoke or fumes, e.g. exhaust gases, F23G 7/06)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0,</u> <u>1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in</u> <u>{curly brackets}**</u>	<u>Transferred to#</u>
M	F23J	subclass	REMOVAL OR TREATMENT OF COMBUSTION PRODUCTS OR COMBUSTION RESIDUES; FLUES (combustion apparatus for consuming smoke or fumes, e.g. exhaust gases, F23G 7/06)	
M	F23J1/00	0	Removing ash, clinker, or slag from combustion chambers ({removing flyash from flue gas F23J15/022; } devices for removal of material from the bed of fluidised bed combustion apparatus F23C 10/24)	
M	F23J3/00	0	Removing solid residues from passages or chambers beyond the fire, e.g. from flues by soot blowers	
M	F23J 3/02	1	Cleaning furnace tubes; Cleaning flues or chimneys	
M	F23J 7/00	0	Arrangement of devices for supplying chemicals to fire	
M	F23J 11/00	0	Devices for conducting smoke or fumes, e.g. flues (chimney stacks E04H 12/28; removing cooking fumes from domestic stoves or ranges F24C 15/20 {; fume conduits of furnaces, kilns, ovens, or retorts F27D 17/002})	
M	F23J 13/00	0	Fittings for chimneys or flues (side-supporting means for chimney stacks E04H 12/20; ladders permanently attached to chimneys E06C 9/00; draught-inducing apparatus associated with chimneys or flues F23L 17/00; tops for chimneys, terminals for flues F23L 17/02)	
M	F23J 13/025	2	{composed of concentric elements, e.g. double walled (terminals for balanced flue arrangements F23L17/04)}	
M	F23J 13/04	1	Joints; Connections	
M	F23J 13/08	1	Doors or covers specially adapted for smoke-boxes, flues, or chimneys	
M	F23J 15/00	0	Arrangements of devices for treating smoke or fumes	
M	F23J 15/003	1	{for supplying chemicals to fumes, e.g. using injection devices}	
M	F23J15/02	1	of purifiers, e.g. for removing noxious material (traps for solid residues F23J 3/04)	

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\*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; T= 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.

#### 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).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). 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 .
- “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>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

**SUBCLASS F23J – REMOVAL OR TREATMENT OF COMBUSTION PRODUCTS OR COMBUSTION RESIDUES** {(from fluidised-bed combustion apparatus F23C 10/24)}; **FLUES** (precipitating dust from flue gases B01D; composition of fuel C10; combustion apparatus for consuming smoke or fumes, e.g. exhaust gases, F23G 7/06)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	F23J	In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.	<p><u>Insert curly brackets around the existing note.</u></p> <p>{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}</p>

## 2. A. DEFINITIONS (new)

Insert the following NEW definitions.

### F23J 3/02

#### References

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Cleaning pipes or tubes in general	B08B
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### F23J 13/025

#### References

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Pipes in general	F16L
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### F23J 13/04

#### References

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Pipe joints in general	F16L
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## **F23J 13/08**

### **References**

#### **Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Doors or covers in general
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<a href="#">E06B</a>
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## **F23J 15/003**

### **References**

#### **Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Arrangement of devices for supplying chemicals to fire
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<a href="#">F23J 7/00</a>
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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>
F23J	Limiting references	<p>Precipitating dust from flue gases B01D</p> <p>Removal or treatment of exhaust gas from internal combustion engines F01N</p> <p>Removal of materials from fluidised beds F23C 10/24</p> <p>From fluidised-bed combustion apparatus F23C 10/24</p> <p>Removing cooking fumes from domestic stoves or ranges F24C 15/20</p> <p>Cleaning of surfaces of boiler, heat exchangers or heat transfer conduit contaminated by other than combustion products or residues F28G</p>	<p><u>Delete</u> the following six rows in the existing Limiting references table.</p> <p>Precipitating dust from flue gases B01D</p> <p>Removal or treatment of exhaust gas from internal combustion engines F01N</p> <p>Removal of materials from fluidised beds F23C 10/24</p> <p>From fluidised-bed combustion apparatus F23C 10/24</p> <p>Removing cooking fumes from domestic stoves or ranges F24C 15/20</p> <p>Cleaning of surfaces of boiler, heat exchangers or heat transfer conduit contaminated by other than combustion products or residues F28G</p>
F23J	Informative references		<p><u>Insert</u> the following four <u>new</u> rows in the existing Informative references table.</p> <p>Separating dispersed particles from gases in general <b>B01D</b></p>

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<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>
			<p>Removal or treatment of exhaust gas from internal combustion engines <b>F01N</b></p> <p>Removing cooking fumes from domestic stoves or ranges <b>F24C 15/20</b></p> <p>Cleaning of surfaces of boiler, heat exchangers or heat transfer conduit contaminated by other than combustion products or residues <b>F28G</b></p>
F23J 1/00	Limiting references		<p><u>Insert</u> the following <u>new</u> row in the existing Limiting references table.</p> <p>Devices for removal of material from the bed of fluidised bed combustion apparatus <b>F23C 10/24</b></p>
F23J 1/00	Limiting references	<p>Arrangements for collecting bottom ash and fly ash <b>F23J 3/06</b></p> <p>Cleaning devices which form part of the combustion grate <b>F23H 15/00</b></p>	<p><u>Delete</u> the following two rows from the Limiting references table.</p> <p>Arrangements for collecting bottom ash and fly ash <b>F23J 3/06</b></p> <p>Cleaning devices which form part of the combustion grate <b>F23H 15/00</b></p>



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<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>
F23J 1/00			<p><u>Insert</u> the following <u>new</u> Informative references section.</p> <p><b><i>Informative references</i></b></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Cleaning devices which form part of the combustion grate  <span style="color: blue;">F23H 15/00</span></p> <p>Arrangements for collecting bottom ash and fly ash  <span style="color: blue;">F23J 3/06</span></p>
F23J 3/00	Limiting references	<p><b><i>References</i></b>  <b><i>Limiting references</i></b></p> <p>Soot blowers per se  <span style="color: blue;">F28G 1/16</span></p>	<p><u>Delete</u> the entire Limiting references section.</p>
F23J 3/00			<p><u>Insert</u> the following <u>new</u> Informative references section.</p> <p><b><i>References</i></b>  <b><i>Informative references</i></b></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Soot blowers per se  <span style="color: blue;">F28G 1/16</span></p>

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<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>
F23J 7/00	Limiting references	Arrangement of devices for treating smoke or fumes for supplying chemicals to fumes F23J 15/003  Use of additives to fuels or fires for particular purposes C10L 10/00	<u>Delete</u> the entire Limiting references section.
F23J 7/00			<u>Insert</u> the following <u>new</u> Informative references section.  <b>References</b> <b>Informative references</b>  <i>Attention is drawn to the following places, which may be of interest for search:</i>  Use of additives for fuels or fires C10L 9/00, C10L 10/00  Arrangement of devices for treating smoke or fumes for supplying chemicals to fumes F23J 15/003
F23J 11/00	Limiting references	Removing fumes other than combustion fumes from the area where they are produced, in general B08B 15/00  Heat insulation therefor E04B 1/94	<u>Delete</u> the following two rows from the Limiting references table.  Removing fumes other than combustion fumes from the area where they are produced, in general B08B 15/00  Heat insulation therefor E04B 1/94

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<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>
F23J 11/00			<p>Insert the following <u>new</u> Informative references section.</p> <p><b>References</b> <b>Informative references</b></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Removing fumes other than combustion fumes from the area where they are produced, in general B08B 15/00</p> <p>Protecting buildings against heat E04B 1/74</p> <p>Protecting buildings against fire E04B 1/94</p> <p>Heat insulation in general F16L 59/00</p> <p>Insulation for protection against fire E04B 1/94</p>
F23J 13/00	Limiting references	<p>Staying, stiffening E04H</p> <p>means for facilitating climbing E06C</p> <p>Draught-inducing apparatus associated with chimneys or flues F23L</p>	<p><u>Replace</u> the three existing rows with the following three new rows.</p> <p>Side-supporting means for chimney stacks E04H 12/20</p> <p>Ladders permanently attached to chimneys E06C 9/00</p> <p>Tops for chimneys, terminals for flues F23L 17/02</p>

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<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>
F23J 13/00	Informative references	Staying, stiffening E04H Means for facilitating climbing E06C	<u>Delete</u> the entire Informative References section.
F23J 15/00	Limiting references	Reating smoke or fumes, see the relevant class for the treatment, e.g. B01D 53/00  Traps for solid deposits F23J 3/04  Supplying chemicals to fire F23J 7/00	<u>Delete</u> the entire Limiting References section.
F23J 15/00	Informative references		<u>Insert</u> the following two new rows in the existing Informative references table.  Traps for solid deposits F23J 3/04  Supplying chemicals to fire F23J 7/00
F23J 15/00			<u>Insert</u> the following <u>new</u> Relationships with other classification places section.  Devices or methods per se for treating smoke or fumes are classified in the relevant places for the treatment. For example, chemical or biological purification of waste gases per se is classified in group B01D 53/00.

## 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.