

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 512

DATE: MAY 1, 2018

PROJECT MP0368

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	F23C	SUBCLASS
	F23C	1/00
	F23C	1/02
	F23C	1/04
	F23C	1/06
	F23C	1/08
	F23C	1/10
	F23C	1/12
	F23C	7/00
Notes New:	F23C	SUBCLASS
DEFINITIONS:		
Definitions Modified:	F23C	SUBCLASS
	F23C	1/00
	F23C	7/00

No other subclasses/groups are impacted by this Notice of Changes.

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 F23C – METHODS OR APPARATUS FOR COMBUSTION USING FLUID FUEL OR SOLID FUEL SUSPENDED IN {A CARRIER GAS} AIR (burners F23D)

<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>
M	F23C	SUBCLASS	METHODS OR APPARATUS FOR COMBUSTION USING FLUID FUEL OR SOLID FUEL SUSPENDED IN {A CARRIER GAS OR} AIR (burners F23D)	
M	F23C 1/00	0	Combustion apparatus specially adapted for combustion of two or more kinds of fuel simultaneously or alternately, at least one kind of fuel being either a fluid fuel or a solid fuel suspended in {a carrier gas or} air (combustion apparatus characterized by the combination of two or more combustion chambers F23C 6/00 ; pilot flame igniters F23Q 9/00)	
M	F23C 1/02	1	lump and liquid fuel	
M	F23C 1/04	1	lump and gaseous fuel	
M	F23C 1/06	1	lump and pulverulent fuel	
M	F23C 1/08	1	liquid and gaseous fuel	
M	F23C 1/10	1	liquid and pulverulent fuel	
M	F23C 1/12	1	gaseous and pulverulent fuel	
M	F23C 7/00	0	Combustion apparatus characterised by arrangements for air supply (inlets for fluidisation air F23C 10/20 ; baffles or shields with air supply passages F23M 9/04)	

*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.

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.

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- #“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”.

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C. New, Modified or Deleted Note(s)

SUBCLASS F23C – METHODS OR APPARATUS FOR COMBUSTION USING FLUID FUEL OR SOLID FUEL SUSPENDED IN {A CARRIER GAS} AIR (burners F23D)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	F23C		<p><u>ADD</u> new note (before Warning):</p> <p><u>NOTES</u></p> <p>In this subclass, methods are classified in the groups that cover the apparatus used.</p>

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

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

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2. A. DEFINITIONS (i.e. modified)

F23C

Definition statement

Delete the following text (the first two bulleted items in the list):

- Fluent fuels, alone or in combination with other fluent or non-fluent fuels
- Fluent fuels alternately with non-fluent fuels

Insert the following text as the first two bulleted items in the list:

- Fluid fuels or solid fuels suspended in a carrier gas, alone or in combination with other fluid or non-fluid fuels
- Fluid fuels or solid fuels suspended in a carrier gas, alternately with other fuels

Relationships with other classification places

Insert the following text as the first line of text in the Relationships section:

Relationship between this subclass and application subclasses of class F23

Insert parentheses around the following text in the original first paragraph of the Relationships section:

(Cremation furnaces; Consuming waste by combustion)

Delete the following two bulleted items from the list in the original second paragraph of the Relationships section:

- are of general interest for combustion of different types of fluent fuel, for example not specially adapted for a particular fuel, or
- specially adapted for fluent fuels other than those provided for in [F23G](#), see the list below, for example "normal" commercial fluent fuel, such as oil, natural gas or pulverised coal.

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Insert the following two bulleted items in the list in the original second paragraph:

- are of general interest for combustion of different types of fluid fuels or solid fuel suspended in a carrier gas, for example not specially adapted for a particular fuel, or
- specially adapted for fluid fuels or solid fuel suspended in a carrier gas other than those provided for in [F23G](#), (see the list below), for example "normal" commercial fluid fuel, such as oil, natural gas or pulverised coal.

Correct the spelling of “apparaus” to “apparatus” in the second bulleted item in the list in the original third paragraph of the Relationships section:

- Waste having a special physical form requiring specially adapted methods or apparatus for combustion, for example packaged waste

Insert parentheses around the following text in the original fourth paragraph of the Relationships section:

(Generating combustion products of high pressure or high velocity)

Change the XML attribute type from “body” to “subheading” for the following text in the Relationships section so that the text appears as follows:

Relationship between this subclass and other application places

Delete the indicated text from the following paragraph:

Combustion ~~of fluent fuel~~ is often used for the purpose of heating or performing different operations. Apparatus for combustion ~~of fluent fuel~~ can be self-contained devices, but are often part of, or used in connection with, heat-consuming apparatus, such as heating boilers. This subclass is therefore related to several places providing for uses of heat. In many of these fields the ~~fluent fuel~~ combustion apparatus can be considered a detail of a bigger entity. A non-exhaustive list of examples of such classes or subclasses will be found under the heading "Informative references" below.

Change the XML attribute type from “body” to “subheading” for the following text in the Relationships section so that the text appears as follows:

Relationship between this subclass and detail subclasses of class F23

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References

Limiting references

Delete the following table row from the Limiting references table:

Candles	C11C 5/00
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Informative references

Insert the following table row into the Informative references table:

Heat-producing reactions of chemical substances, other than combustion (e.g. of hydrogen peroxide and methane, or iron oxide and aluminium)	C F24V 30/00
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Glossary of terms

Delete the following text from the term “Combustion”:

the direct combination of oxygen gas, e.g. in air, and a burnable substance

Insert the following text for the term “Combustion”:

a heat-producing sequence of chemical reactions between a burnable substance and molecular oxygen, e.g. in air in most cases generating light in the form of flames or a glow

F23C 1/00

References

Insert a new Limiting references section:

Limiting references

This place does not cover:

Combustion apparatus characterised by the combination of two or more combustion chambers	F23C 6/00
Pilot flame igniters	F23Q 9/00

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Informative references

Delete the following two table rows as indicated from the Informative references table:

Combustion apparatus characterised by the combination of two or more combustion chambers	F23C 6/00
Combustion apparatus wherein one fuel is used for igniting the other	F23Q

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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>
F23C 7/00	Limiting references	All aspects of air supply for non fluid fuels, e.g. solid waste F23L General aspects of air supply, independently from the type of fuel, e.g. secondary or overfire air passages, blowers or draft inducing means, details of dampers, heat recovery means F23L	Delete the following two rows from the Limiting references table: All aspects of air supply for non fluid fuels, e.g. solid waste F23L General aspects of air supply, independently from the type of fuel, e.g. secondary or overfire air passages, blowers or draft inducing means, details of dampers, heat recovery means F23L
F23C 7/00	Limiting references		Insert the following two rows in the Limiting references table: Inlets for fluidisation air F23C 10/20 Baffles or shields with air supply passages F23M 9/04

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.