

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 495

DATE: FEBRUARY 1, 2018

PROJECT MP0349

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:	H01T	1/14
	H01T	4/18
	H01T	21/04
<b>DEFINITIONS:</b>		
Definitions Modified:	H01T	subclass
	H01T	1/00, 1/14
	H01T	2/00
	H01T	4/08
	H01T	7/00
	H01T	9/00
	H01T	13/00, 13/04
	H01T	19/00
	H01T	21/04
	H01T	23/00

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 H01T – SPARK GAPS; OVERVOLTAGE ARRESTERS USING SPARK GAPS; SPARKING PLUGS; CORONA DEVICES; GENERATING IONS TO BE INTRODUCED INTO NON-ENCLOSED GASES**

<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	H01T 1/14	1	Means structurally associated with spark gap for protecting it against overload or for disconnecting it in case of failure (H01T 1/15, H01T 1/16, H01T 1/18 take precedence; emergency protective circuit arrangements for spark gap arrestors H02H 7/24)	
M	H01T 4/18	2	Arrangements for reducing height of stacked spark gaps	
M	H01T 21/04	2	Cleaning (means for self-cleaning H01T 13/14; abrasive blasting devices for cleaning sparking-plugs B24C 3/34)	

\*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.
- #“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”.

## DEFINITIONS (modified)

### H01T

#### Definition statement

**Insert** a hyphen in “nonenclosed” in the first line.

- Spark gaps, which is used with the following meaning: enclosed or non-enclosed;

**Delete** the comma following “exclusively to” in the second line.

- Discharge device having cold electrodes and used exclusively to discharge a quantity of electrical energy in a small time duration.

**Delete** the entire Relationships with other classification places section.

**Delete** the entire Application-oriented references section.

#### Informative references

**Insert** “85/00” in line 14, Fuses H01H, in the Informative references table:

Fuses	H01H 85/00
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**Insert** the following row in the Informative references table:

Spark gaps for electrostatic discharge (ESD) components	H05F 3/04
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**Insert** “1/24” in the last row, second column, of the Informative references table:

Generating plasma	<a href="#">H05H 1/24</a>
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### **Glossary of terms**

**Replace** “Spark” with lower case “spark” in Glossary of terms:

spark gap	Enclosed or non-enclosed discharge device having cold electrodes and used exclusively to discharge a quantity of electrical energy in a small time duration
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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>
H01T 1/00	Limiting references	Limiting references  <i>This place does not cover:</i>  Fuses as means associated with spark gap for disconnecting it in case of failure H01H 37/76	<b>Delete</b> the entire Limiting references section.
H01T 1/00			<b>Create a new</b> Informative references section, as follows.  <i>Informative references</i>  <i>Attention is drawn to the following places, which may be of interest for search:</i>  Thermally-actuated switches comprising a contact member actuated by melting of fusible material, actuated due to burning of combustible material or due to explosion of explosive material H01H 37/76
H01T 1/14	Limiting references		<b>Insert</b> the following <b>new</b> row in the Limiting references table.  Emergency protective circuit arrangements for spark gap arresters H02H 7/24
H01T 2/00	Definition statement	Devices comprising additional electrodes for discharge activation	<b>Replace</b> the existing text with the following text.  Triggering means, e.g. electrodes or additional discharge activation arrangements.
H01T 4/08	Informative references	Switches H01H 9/14 Fuses H01H 85/44	<b>Delete</b> the existing rows in the Informative references table.
H01T 4/08	Informative references		<b>Insert</b> the following <b>new</b> row in the Informative references table.  Means for providing an external arc discharge path over insulators H01B 17/46

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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>
H01T 4/08			<p><b>Create a new</b> Limiting references section, as follows.</p> <p><i>Limiting references</i></p> <p><i>This place does not cover:</i></p> <p>Switches <span style="float: right;">H01H 9/14</span></p> <p>Structural association of fuses with spark gap arresters <span style="float: right;">H01H 85/44</span></p>
H01T 7/00	Limiting references	<p><i>Limiting references</i></p> <p><i>This place does not cover:</i></p> <p>Ignition distributors <span style="float: right;">F02P 7/02</span></p>	<b>Delete</b> the entire Limiting references section.
H01T 7/00			<p><b>Create new</b> Informative references section, as follows.</p> <p><i>Informative references</i></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Ignition distributors <span style="float: right;">F02P 7/02</span></p>
H01T 9/00	Informative references		<p><b>Insert</b> the following four <b>new</b> rows in the Informative references table.</p> <p>Surgical instruments for extracorporeal shock wave lithotripsy <span style="float: right;">A61B 17/225</span></p> <p>Generating seismic energy using spark discharges <span style="float: right;">G01V 1/157</span></p> <p>Sound-producing devices using electric discharge <span style="float: right;">G10K 15/06</span></p> <p>Jamming of communication <span style="float: right;">H04K 3/00</span></p>
H01T 13/00	Limiting references	<p><i>Limiting references</i></p> <p><i>This place does not cover:</i></p> <p>Structurally associated with fuel injector <span style="float: right;">F02M 57/06</span></p> <p>Connected with ignition coil <span style="float: right;">F02P 3/02</span></p> <p>Laser ignition devices <span style="float: right;">F02P 23/04</span></p>	<b>Delete</b> the entire Limiting references section.

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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>
H01T 13/00	Informative references		<b>Insert</b> the following three <b>new</b> rows in the Informative references table.  Structurally associated with fuel injector F02M 57/06  Connected with ignition coil F02P 3/02  Laser ignition devices F02P 23/04
H01T 13/00	Informative references	Pressure sensors for internal combustion engines G01L 23/22	<b>Replace <u>only</u></b> the text with the following text.  Apparatus for recording rapid changes in pressure for detecting knocks in internal-combustion engines or combined pressure-sensitive members and ignitors for an internal combustion engine
H01T 13/04	Informative references		<b>Insert</b> the following <b>new</b> row in the Informative references table.  Sparking plugs structurally associated with fuel injectors F02M 57/06
H01T 19/00	Informative references		<b>Insert</b> the following two <b>new</b> rows in the Informative references table. Printing machines – Devices for treating the surface of sheets B41F 23/00  Physical treatment of fibres, threads, or yarns D06M 10/02
H01T 21/04	Limiting references		<b>Insert</b> the following <b>new</b> row in the Limiting references section. Means for self-cleaning H01T 13/14
H01T 23/00	Informative references	Discharge tubes with provision for emergence of ions from the vessel H01J 35/00	<b>Replace</b> the existing text with the following.  Discharge tubes with provision for emergence of ions from the vessel H01J 33/00
H01T 23/00	Informative references	Generating plasma H05H	<b>Replace</b> “H05H” with the following symbol.  H05H 1/24

## 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.