

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 378

DATE: AUGUST 1, 2018

PROJECT MP0138

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Title changed:	H01F	17/0013
DEFINITIONS:		
Definitions Modified:	H01F	27/00

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 Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS H01F - MAGNETS; INDUCTANCES; TRANSFORMERS; SELECTION OF MATERIALS FOR THEIR MAGNETIC PROPERTIES (ceramics based on ferrites C04B35/26; alloys C22C; {construction of loading coils H01B}; thermomagnetic devices H01L37/00; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers H04R)

<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>
M	H01F17/0013	2	{with stacked layers}

*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”.

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2. A. DEFINITIONS (modified)

H01F27/00

Details of transformers or inductances, in general

Definition statement

This group/subgroup/subclass covers:

Constructional features of transformers or inductances in general.

DELETE: Existing bulleted list at the end of the Definition statement

INSERT: The following bulleted list at the end of the Definition statement

- Example: cooling of coils: For superconducting coils (H01F6/00), there is a subgroup for cooling covered by H01F6/04. For normal-conducting coils, however, which are classified generally in H01F5/00 and in H01F7/20 when used as electromagnet, no subgroups for cooling exist. Therefore, applications related to the cooling of normal-conducting coils or electromagnets, in addition to H01F5/00 or H01F7/20, have to be classified in an appropriate subgroup of H01F27/08.
- Although in general, no difference is made between "signal type" and "powertype" applications in H01F27/00, this is not true for the mounting of transformers/inductances; H01F27/027 covers the mounting of "signal type" applications; H01F27/06 covers the mounting of "power type" applications.
- Details related to cooling: Cooling arrangements only for coils are covered by H01F27/2876; Cooling channels in the insulation of coils are covered by H01F27/322; Cooling of transformers/inductances, in general, is covered by H01F27/08 and subgroups; H01F27/14 covers a wide variety of accessories used for oil-cooled transformers/inductances like oil expansion chambers, gas cushions, oil filters.
- Details related to encapsulation: Devices encapsulated as a whole are covered by H01F27/022; Encapsulation only of a winding is covered by H01F27/327.
- Details related to electric/magnetic shields: Shields in general are covered by H01F27/36; Shields of the winding arrangement are covered by H01F27/288; Shields of pancake coils are covered by H01F27/2871.

Further information:

DELETE: Existing content

INSERT: The following corrected paragraphs

In this group no distinction is made between "signal type" and "power type" applications except for the cases mentioned below. "Power type" means that these transformers or inductances are used/useable for high power.

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[H01F27/00](#) covers constructional features of transformers and inductances falling under the titles of [H01F17/00](#) - [H01F21/00](#) and [H01F29/00](#) - [H01F38/00](#). If a subgroup for a specific detail exists under [H01F17/00](#) - [H01F21/00](#) and [H01F29/00](#) - [H01F38/00](#), this subgroup takes precedence over [H01F27/00](#).

[H01F27/00](#) also covers details of cores, coils and magnetising arrangements in [H01F3/00](#) - [H01F7/00](#) and [H01F13/00](#) if there is no appropriate subgroup for the respective constructional features in the [H01F3/00](#) - [H01F7/00](#) and [H01F13/00](#).

Informative references

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

DELETE: Symbols in the table

INSERT: The new symbols as shown below

Buchholz relays (for protecting oil-cooled transformers, related to H01F27/14 and H01F27/402)	H01H33/555
Buchholz relays (for protecting oil-cooled transformers, related to H01F27/14 and H01F27/402)	H02H5/08
Emergency protective circuits for transformers (related to H01F27/402)	H02H7/04
Cooling of electrical devices in general (related to H01F27/08)	H05K7/20
Arrangements for controlling transformers, reactors or choke coils for the purpose of obtaining a desired output (field not active anymore)	H02P13/00