

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 666

DATE: MAY 1, 2019

PROJECT RP0461

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:	H01F	1/0027
	H01F	41/14
	H01F	41/16
Notes Modified:	H01F	1/0027
	H01F	41/14
DEFINITIONS:		
Definitions New:	H01F	1/0027
Definitions Modified:	H01F	41/14, 41/16

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 H01F -MAGNETS; INDUCTANCES; TRANSFORMERS; SELECTION OF MATERIALS FOR THEIR MAGNETIC PROPERTIES (ceramics based on ferrites C04B 35/26; alloys C22C; {construction of loading coils H01B } ; thermomagnetic devices H01L 37/00; 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</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
U	H01F1/0018	1	{Diamagnetic or paramagnetic materials, i.e. materials with low susceptibility and no hysteresis (H01F 1/0036 takes precedence)}	
M	H01F1/0027	1	{Thick magnetic films (forming thick magnetic films H01F 41/16)}	
M	H01F41/14	1	for applying magnetic films to substrates	
M	H01F41/16	2	the magnetic material being applied in the form of particles, e.g. by serigraphy {, to form thick magnetic films or precursors therefor} (H01F41/18{-H01F41/24} take precedence)	

*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).
- 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.

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- 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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C. New, Modified or Deleted Note(s)

SUBCLASS H01F - MAGNETS; INDUCTANCES; TRANSFORMERS; SELECTION OF MATERIALS FOR THEIR MAGNETIC PROPERTIES (ceramics based on ferrites C04B 35/26; alloys C22C; {construction of loading coils H01B } ; thermomagnetic devices H01L 37/00; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers H04R)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	H01F1/0027	{Group H01F 1/0036 takes precedence over groups H01F 1/09, H01F 1/11, H01F 1/20, H01F 1/33 and H01F 1/36}	{In groups H01F 1/09, H01F 1/11, H01F 1/20, H01F 1/33, and H01F 1/36, the group H01F 1/0036 takes precedence}
M	H01F41/14	{Group H01F 41/30 takes precedence over groups H01F 41/16 - H01F 41/24, and over H01F 41/32}	{In groups H01F 41/16 - H01F 41/24, and H01F 41/32, the group H01F 41/30 takes precedence}

*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 (new)

H01F1/0027

Definition statement

This place covers:

Thick magnetic films characterized by being manufactured with methods associated under H01F 41/16. This subgroup encompasses single layers and multiple layers of thick films. This subgroup primarily includes soft magnetic thick films but also includes hard magnetic thick films meeting the above requirements.

Thick magnetic films can be distinguished from thin magnetic films by assessing their respective manufacturing methods:

Thick magnetic films are typically obtained from magnetic particles and bonding agent, according to manufacturing methods of groups H01F 41/16 thereby forming a composite film.

Thin magnetic films are typically obtained by deposition or plating of magnetic material, according to manufacturing methods of groups H01F 41/18-H01F 41/34.

References

Limiting references

This place does not cover:

Forming thick magnetic films	H01F41/16
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Application-oriented references

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Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Magnetic record carriers	G11B5/70
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Special rules of classification

Hard magnetic thick films applied in magnetic record carriers are classified under G11B 5/70.

Hard magnetic thick films forming permanent magnets are classified according to the composition of the magnetic particles; i.e. under H01F 1/047 and its subgroups, primarily under H01F1/0533, H01F1/0558 or H01F1/0578. When the composition of the magnetic particles is nominal, i.e. not a restriction, classification will usually fall under H01F 1/08 and its subgroups, i.e. H01F1/083.

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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>
H01F41/14	Application-oriented references		Insert a new section Application-oriented references and table with the following row Manufacturing record carriers G11B5/84
H01F41/14	Informative references		Insert a new section Informative references and table with the following row Covering metals, or materials with metals C23C
H01F41/16	Limiting References		Insert a new <i>Limiting References</i> section and table with the following rows: Cathode sputtering H01F41/18 Evaporation H01F41/20 Heat treatment, thermal decomposition, Chemical vapour deposition H01F41/22 Using liquids to apply magnetic films H01F41/24
H01F41/16	Informative References		Insert a new <i>Informative References</i> section and table with the following new row: Thick films and precursors thereof H01F1/0027
H01F41/16	Definition statement	Deposition methods and apparatus for forming thick magnetic films, usually performed by macroscopic methods.	Replace with: Deposition methods and apparatus for forming thick magnetic films, usually performed by macroscopic methods. The obtained material is a thick magnetic film or any precursor of thick magnetic film, generally in the form of magnetisable pastes, inks or glass frits.

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.