EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1931

DATE: AUGUST 1, 2026

PROJECT RP12035

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

Action	**Subclass**	**Group(s)**
SCHEME:		
Symbols Deleted:	H01F	2007/163, 2007/1669, 2007/1692
	H01F	2017/0093
	H01F	2019/085
	H01F	2027/065, 2027/2809, 2027/2814, 2027/2819, 2027/348, 2027/404, 2027/406, 2027/408
	H01F	2029/143
	H01F	2038/305
Symbols New:	H01F	1/05712, 1/05723
	H01F	7/132, 7/134, 7/165
	H01F	27/065, 27/2809, 27/2814, 27/2819, 27/348, 27/404, 27/406, 27/408
	H01F	29/143
	H01F	38/305, 38/44, 38/46, 38/48, 38/50
	H01F	41/02931, 41/02933
Titles Changed:	H01F	SUBCLASS
	H01F	1/344, 1/346
	H01F	6/005
	H01F	7/13
	H01F	10/24
	H01F	17/00
	H01F	27/06, 27/2455
	H01F	29/14
	H01F	38/14
Warnings New:	H01F	1/057, 1/0571, 1/05712, 1/0572, 1/05723, 1/0573, 1/0574, 1/0575, 1/0576, 1/0577, 1/0578, 1/0579
	H01F	27/00
	H01F	30/00
	H01F	37/00
	H01F	38/00, 38/44, 38/46, 38/48, 38/50
	H01F	41/0293, 41/02931, 41/02933
DEFINITIONS:		
Definitions Modified:	H01F	SUBCLASS
	H01F	5/00
	H01F	17/00
	H01F	27/00
	H01F	30/00
	H01F	37/00

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

This Notice of Changes includes the following:

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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PROJECT RP12035

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}; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers H04R; thermomagnetic devices H10N 15/00)

Type*	**Symbol**	**Indent Level Number of dots (e.g. 0, 1, 2)**	**Title "CPC only" text should normally be enclosed in {curly brackets}****	**Transferred to#**
M	H01F	SUBCLASS	MAGNETS; INDUCTANCES; TRANSFORMERS; SELECTION OF MATERIALS FOR THEIR MAGNETIC PROPERTIES	
C	H01F 1/057	8	and IIIa elements, e.g. $Nd_2Fe_{14}B$	H01F 1/057, H01F 1/05712
C	H01F 1/0571	9	{in the form of particles, e.g. rapid quenched powders or ribbon flakes}	H01F 1/0571, H01F 1/05712
N	H01F 1/05712	10	{wherein the powder particle further includes one or more rare earth [RE], RE-T or Re-T-IIIa}	
C	H01F 1/0572	10	{with a protective layer}	H01F 1/0572, H01F 1/05712, H01F 1/05723
N	H01F 1/05723	11	{wherein the layer includes a rare earth [RE] alloy or a rare earth [RE] compound, e.g. Dy, Tb or Ho}	
C	H01F 1/0573	10	{obtained by reduction or by hydrogen decrepitation or embrittlement}	H01F 1/0573, H01F 1/05712
C	H01F 1/0574	10	{obtained by liquid dynamic compaction}	H01F 1/0574, H01F 1/05712
C	H01F 1/0575	10	{pressed, sintered or bonded together}	H01F 1/0575, H01F 1/05712
C	H01F 1/0576	11	{pressed, e.g. hot working}	H01F 1/0576, H01F 1/05712
C	H01F 1/0577	11	{sintered}	H01F 1/0577, H01F 1/05712
C	H01F 1/0578	11	{bonded together}	H01F 1/0578, H01F 1/05712
C	H01F 1/0579	9	{with exchange spin coupling between hard and soft nanophases, e.g. nanocomposite spring magnets}	H01F 1/0579, H01F 1/05712
M	H01F 1/344	6	{Ferrites, e.g. having a cubic spinel structure $(X^{2+}O)(Y_2^{3+}O_3)$, e.g. magnetite Fe_3O_4}	

Type*	**Symbol**	**Indent Level Number of dots (e.g. 0, 1, 2)**	**Title "CPC only" text should normally be enclosed in {curly brackets}****	**Transferred to#**
M	H01F 1/346	7	{$[X_3^{2+},Y_2^{3+}][(TO_4)_3]$ with T= Si, Al, Fe, Ga (H01F 10/24 takes precedence)}	
M	H01F 6/005	1	{Processes or means for increasing the stored energy in superconductive coils by increments}	
M	H01F 7/13	3	characterised by pulling-force characteristic	
N	H01F 7/132	3	{Armatures actuated by current pulse, e.g. bistable actuators}	
N	H01F 7/134	3	{Actuators with two coils}	
U	H01F 7/1623	5	{Armatures having T-form}	
D	H01F 2007/163	5	{with axial bearing}	<administrative transfer to H01F 7/165 INV>
U	H01F 7/1646	5	{Armatures or stationary parts of magnetic circuit having permanent magnet}	
N	H01F 7/165	4	{Means for guiding the movement of the armature with reduced friction, e.g. bearing or coating}	
U	H01F 2007/1661	4	{Electromagnets or actuators with anti-stick disc}	
D	H01F 2007/1669	4	{Armatures actuated by current pulse, e.g. bistable actuators}	<administrative transfer to H01F 7/132 INV>
D	H01F 2007/1692	4	{Electromagnets or actuators with two coils}	<administrative transfer to H01F 7/134 INV>
U	H01F 10/22	5	Orthoferrites {, e.g. $RFeO_3$ (R= rare earth element) with orthorhombic structure}	
M	H01F 10/24	5	Garnets	
M	H01F 17/00	0	Fixed inductances of the signal type	
D	H01F 2017/0093	1	{Common mode choke coil}	<administrative transfer to H01F38/48 INV>
U	H01F 17/045	2	{with core of cylindric geometry and coil wound along its longitudinal axis, i.e. rod or drum core}	
U	H01F 19/08	2	Transformers having magnetic bias, e.g. for handling pulses	
D	H01F 2019/085	3	{Transformer for galvanic isolation}	<administrative transfer to H01F 38/50 INV>
U	H01F 21/12	1	discontinuously variable, e.g. tapped	
C	H01F 27/00	0	Details of transformers or inductances, in general	H01F 27/00, H01F 38/44
M	H01F 27/06	1	Mounting, supporting, or suspending transformers, reactors, or choke coils {not being of the signal type}	

Type*	**Symbol**	**Indent Level Number of dots (e.g. 0, 1, 2)**	**Title "CPC only" text should normally be enclosed in {curly brackets}****	**Transferred to#**
D	H01F 2027/065	2	{Mounting on printed circuit boards}	<administrative transfer to H01F 27/065 INV>
N	H01F 27/065	2	{Mounting on printed circuit boards}	
M	H01F 27/2455	3	{using deformed sheets, e.g. bent laminations}	
U	H01F 27/2804	2	{Printed windings}	
D	H01F 2027/2809	3	{on stacked layers}	<administrative transfer to H01F 27/2809 INV>
N	H01F 27/2809	3	{on stacked layers}	
D	H01F 2027/2814	3	{with only part of the coil or of the winding in the printed circuit board, e.g. the remaining coil or winding sections can be made of wires or sheets}	<administrative transfer to H01F 27/2814 INV>
N	H01F 27/2814	3	{with only part of the coil or of the winding in the printed circuit board, e.g. the remaining coil or winding sections can be made of wires or sheets}	
D	H01F 2027/2819	3	{Planar transformers with printed windings, e.g. surrounded by two cores and to be mounted on printed circuit}	<administrative transfer to H01F 27/2819 INV >
N	H01F 27/2819	3	{Planar transformers with printed windings, e.g. surrounded by two cores and to be mounted on printed circuit}	
U	H01F 27/2828	3	{Construction of conductive connections, of leads}	
U	H01F 27/327	3	{Encapsulating or impregnating (encapsulating coil and core H01F 27/022)}	
D	H01F 2027/348	2	{Preventing eddy currents}	<administrative transfer to H01F 27/348 INV>
N	H01F 27/348	2	{Preventing eddy currents}	
U	H01F 27/402	2	{Association of measuring or protective means}	
D	H01F 2027/404	3	{Protective devices specially adapted for fluid filled transformers}	<administrative transfer to H01F 27/404 INV>
N	H01F 27/404	3	{Protective devices specially adapted for fluid filled transformers}	
D	H01F 2027/406	3	{Temperature sensor or protection}	<administrative transfer to H01F 27/406 INV>
N	H01F 27/406	3	{Temperature sensor or protection}	
D	H01F 2027/408	2	{Association with diode or rectifier}	<administrative transfer to H01F 27/408 >
N	H01F 27/408	2	{Association with diode or rectifier}	
M	H01F 29/14	1	with variable magnetic bias	
D	H01F 2029/143	2	{with control winding for generating magnetic bias}	<administrative transfer to H01F 29/143 INV >

Type*	**Symbol**	**Indent Level Number of dots (e.g. 0, 1, 2)**	**Title "CPC only" text should normally be enclosed in {curly brackets}****	**Transferred to#**
N	H01F 29/143	2	{with control winding for generating magnetic bias}	
C	H01F 30/00	0	Fixed transformers not covered by group H01F 19/00	H01F 30/00, H01F 38/44, H01F 38/50
C	H01F 37/00	0	Fixed inductances not covered by group H01F 17/00	H01F 37/00, H01F 38/46, H01F 38/48
C	H01F 38/00	0	Adaptations of transformers or inductances for specific applications or functions	H01F 38/00, H01F 38/44, H01F 38/46, H01F 38/48
U	H01F 38/12	1	Ignition, e.g. for IC engines	
M	H01F 38/14	1	Inductive couplings	
D	H01F 2038/305	5	{with toroidal magnetic core}	<administrative transfer to H01F 38/305 INV >
N	H01F 38/305	5	{with toroidal magnetic core}	
U	H01F38/42	1	Flyback transformers	
U	H01F 2038/426	2	{with gap in transformer core}	
N	H01F 38/44	1	{Traction transformers for powering electric vehicles, e.g. trains, trams or metros}	
N	H01F 38/46	1	{Inductors specially adapted for electric vehicles, e.g. comprising electrically connected coils arranged on parallel core legs}	
N	H01F38/48	1	{Common mode inductor for reducing or eliminating common mode noise on parallel lines}	
N	H01F 38/50	1	{Transformers for galvanic isolation}	
U	H01F 41/00	0	Apparatus or processes specially adapted for manufacturing or assembling magnets, inductances or transformers; Apparatus or processes specially adapted for manufacturing materials characterised by their magnetic properties	
C	H01F 41/0293	3	{diffusion of rare earth elements, e.g. Tb, Dy or Ho, into permanent magnets}	H01F41/0293, H01F41/02931, H01F41/02933
N	H01F 41/02931	4	{by direct coating, e.g. (electro)plating, spin-coating, dipping or coating with slurries}	
N	H01F 41/02933	4	{by vapour deposition, e.g. sputtering, physical vapour deposition, or chemical vapour deposition}	

*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.

B. New, Modified or Deleted Warning(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}; loudspeakers, microphones, gramophone pick-ups or like acoustic electromechanical transducers H04R; thermomagnetic devices H10N 15/00)

Type*	Location	Old Warning	New/Modified Warning
N	H01F 1/057		Group H01F 1/057 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/057 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 1/0571		Group H01F 1/0571 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0571 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 1/05712		Group H01F 1/05712 is incomplete pending reclassification of documents from groups H01F 1/057, H01F 1/0571, H01F 1/0572, H01F 1/0573, H01F 1/0574, H01F 1/0575, H01F 1/0576, H01F 1/0577, H01F 1/0578 and H01F 1/0579. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01F 1/0572		Group H01F 1/0572 is impacted by reclassification into groups H01F 1/05712 and H01F 1/05723. Groups H01F 1/0572, H01F 1/05712 and H01F 1/05723 should be considered in order to perform a complete search.
N	H01F 1/05723		Group H01F 1/05723 is incomplete pending reclassification of documents from group H01F 1/0572. Groups H01F 1/0572 and H01F 1/05723 should be considered in order to perform a complete search.
N	H01F 1/0573		Group H01F 1/0573 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0573 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 1/0574		Group H01F 1/0574 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0574 and H01F 1/05712 should be

Type*	Location	Old Warning	New/Modified Warning
			considered in order to perform a complete search.
N	H01F 1/0575		Group H01F 1/0575 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0575 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 1/0576		Group H01F 1/0576 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0576 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 1/0577		Group H01F 1/0577 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0577 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 1/0578		Group H01F 1/0578 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0578 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 1/0579		Group H01F 1/0579 is impacted by reclassification into group H01F 1/05712. Groups H01F 1/0579 and H01F 1/05712 should be considered in order to perform a complete search.
N	H01F 27/00		Group H01F 27/00 is impacted by reclassification into group H01F 38/44. Groups H01F 27/00 and H01F 38/44 should be considered in order to perform a complete search.
N	H01F30/00		Group H01F 30/00 is impacted by reclassification into groups H01F 38/44 and H01F 38/50. Groups H01F 30/00, H01F 38/44 and H01F 38/50 should be considered in order to perform a complete search.
N	H01F37/00		Group H01F 37/00 is impacted by reclassification into groups H01F 38/46 and H01F 38/48. Groups H01F 37/00, H01F 38/46 and H01F 38/48 should be considered in order to perform a complete search.
N	H01F38/00		Group H01F 38/00 is impacted by reclassification into groups H01F 38/44, H01F 38/46 and

Type*	Location	Old Warning	New/Modified Warning
			H01F 38/48. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01F38/44		Group H01F 38/44 is incomplete pending reclassification of documents from groups H01F 27/00, H01F 30/00 and H01F 38/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01F38/46		Group H01F 38/46 is incomplete pending reclassification of documents from groups H01F 37/00 and H01F 38/00. Groups H01F 37/00, H01F 38/00 and H01F 38/46 should be considered in order to perform a complete search.
N	H01F38/48		Group H01F 38/48 is incomplete pending reclassification of documents from groups H01F 37/00 and H01F 38/00. Groups H01F 37/00, H01F38/00 and H01F 38/48 should be considered in order to perform a complete search.
N	H01F38/50		Group H01F 38/50 is incomplete pending reclassification of documents from group H01F 30/00. Groups H01F 30/00 and H01F 38/50 should be considered in order to perform a complete search.
N	H01F41/0293		Group H01F 41/0293 is impacted by reclassification into groups H01F 41/02931 and H01F 41/02933. Groups H01F 41/0293, H01F 41/02931 and H01F 41/02933 should be considered in order to perform a complete search.
N	H01F41/02931		Group H01F 41/02931 is incomplete pending reclassification of documents from group H01F 41/0293. Groups H01F 41/0293 and H01F 41/02931 should be considered in order to perform a complete search.
N	H01F41/02933		Group H01F 41/02933 is incomplete pending reclassification of documents from group H01F 41/0293. Groups H01F 41/0293 and H01F 41/02933 should be considered in order to perform a complete search.

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

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

2. A. DEFINITIONS (modified)

H01F

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Magnets or magnetic bodies characterised by the magnetic materials therefor. Selection of materials for their magnetic properties (group H01F 1/00).

Thin magnetic films (group H01F 10/00).

Permanent magnets (group H01F 7/00).

Electromagnets (group H01F 7/00) including, for example, superconductive magnets (group H01F 6/00); details thereof such as coils (group H01F 5/00), cores, yokes and armatures (group H01F 3/00).

Fixed and variable transformers including, for example, superconductive or cryogenic transformers; adaptations thereof for specific applications or functions; details thereof (groups H01F 19/00, H01F 21/00, H01F 27/00, H01F 29/00, H01F 30/00, H01F 36/00, H01F 38/00).

Fixed and variable inductances; adaptations thereof for specific applications or functions; details thereof (groups H01F 17/00, H01F 21/00, H01F 27/00, H01F 29/00, H01F 37/00, H01F 38/00).

Apparatus or processes for magnetizing or demagnetizing (H01F 13/00).

Apparatus or processes specially adapted for manufacturing or assembling devices covered by this subclass (group H01F 41/00).

Further information:

Groups H01F 17/00 - H01F 38/00 (with the exception of groups H01F 27/42 and H01F 38/32) cover only structural or constructional aspects of transformers, inductive reactors, chokes or the like. These groups do not cover circuit arrangement of such devices, which are covered by the appropriate functional places.

References

Replace: The existing Application-oriented references table with the following updated table.

Application-oriented references

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:

Magnets used to separate solid materials from other solid materials or fluids	B03C 1/00
Devices holding, supporting or positioning, work or tools, of a kind normally removable from the machine	B23Q 3/00
Work holders or positioners not covered by groups B25B 1/00 - B25B 9/00, e.g. magnetic work holders, vacuum work holders	B25B 11/00
Apparatus or processes for degaussing ships	B63G 9/06
Lifting magnets	B66C 1/00
Magnets or electromagnets in electric meters	G01R
Devices for demagnetizing parts of clocks and watches	G04D 9/00
Magnetic record carriers	G11B 5/00
Apparatus or processes specially adapted for manufacturing magnetic record carriers	G11B 5/84
Thin-film magnetic stores	G11C
Apparatus or processes for threading magnetic cores in digital storage elements	G11C 5/12
Magnets or electromagnets in relays	H01H
Magnets or electromagnets in dynamo-electric machines	H02K
Methods or apparatus specially adapted for manufacturing, assembling, maintaining or repairing dynamo-electric machines, e.g. forming windings prior to mounting into the machine	H02K 15/00
Arrangements for controlling transformers, reactors or choke coils for the purpose of obtaining a desired output	H02P 13/00
Magnetic amplifiers	H03F
Impedance networks	H03H

Demagnetizing arrangements for color television	H04N 9/29
Acoustic electromechanical transducers having coils or permanent magnets	H04R

Replace: The existing Informative references table with the following updated table.

Informative references

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

Powder metallurgy	B22F
Iron oxides (not sintered)	C01G 49/02
Ferrite based ceramics	C04B 35/26
Ferrous alloys	C22C
Coating by evaporation or sputtering	C23C 14/00
Refrigeration machines using magnetic effects	F25B 21/00
Magneto-optical devices	G02F 1/09
Sensing record carriers using inductive or magnetic sensors	G06K 7/08
Screening of electric apparatus against magnetic fields	H05K 9/00
Semiconductor devices having potential barriers controllable by variation of the magnetic field applied to the devices	H10D 48/40
Thermomagnetic devices	H10N 15/00
Magnetostrictive devices	H10N 35/00
Galvano-magnetic devices	H10N 50/00
Hall-effect devices	H10N 52/00

Replace: The existing Special rules text with the following updated text.

Special rules of classification

- Groups H01F 17/00 - H01F 38/00 (with the exception of groups H01F 27/42 and H01F 38/32) cover only structural or constructional aspects of transformers, inductive reactors, chokes or the like. These groups do not cover circuit arrangement of such devices, which are covered by the appropriate functional places.

- Documents are classified with a CPC symbol according to the invention information mainly found in the claims with due regard given to the description and the figures.
- Main groups H01F 1/00, H01F 10/00 and subgroups H01F 41/14 - H01F 41/34:

Indexing codes can be used for particular cases where the invention is a specific property of a given type of material or article, and this property is classified only in subgroups of another specific material type. In this case, the corresponding CPC symbol cannot be given. Consequently, the indexing code should be given together with a CPC symbol corresponding to the material described in the document. For example: a sintered nanocomposite exchange spring magnet of SmCo/Fe cannot be given H01F 1/0579 as CPC symbol since the latter symbol belongs to NdFeB magnets classification subtree. Therefore, the combination of symbols H01F 1/0557 and H01F 1/0579 should be used.

H01F 5/00

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Printed coils.

Wound electric conductors.

Further information:

Coils are covered by group H01F 5/00, if:

- no specific application is mentioned;
- a special application is mentioned for which no specific subgroups exist elsewhere;
- they comprise specific features for which no subgroups exist in the specific subgroup for the application (e.g. a bobbin for an electromagnet is classified in group H01F 5/02 although electromagnets are normally classified in group H01F 7/06).

H01F 5/04: This subgroup predominantly refers to terminals attached to bobbins. Bobbins characterised by details for attaching terminals are classified here and not in the subgroup H01F 5/02 for bobbins.

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Superconducting coils	H01F 6/06
Fixed inductances of the signal type	H01F 17/00

Replace: The existing Application-oriented references table with the following updated table.

Application-oriented references

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:

Coils for transformers/inductances	H01F 27/28
Printed coils for transformers/inductances	H01F 27/2804
Bobbins for transformers/inductances	H01F 27/325
Bobbins in relation with apparatus or processes for manufacturing coils	H01F 41/098
Loop aerials (antennae)	H01Q 7/00
Coils for electric motors/generators	H02K 3/00
Coil arrangements for induction heating	H05B 6/36

H01F 17/00

References

Delete: The following reference from the Limiting references table.

Limiting references

This place does not cover:

Fixed inductances used/usable for high power	H01F 37/00

Replace: The existing Application-oriented references table with the following updated table.

Application-oriented references

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:

Adaptations of transformers for special applications or functions	H01F 38/00
Loop aerials with ferromagnetic core	H01Q 7/06
Impedance networks	H03H
Printed circuits incorporating printed inductors	H05K 1/165
Inductors	H10D 1/20
Inductive arrangements for controlling or matching impedance	H10W 44/501

Replace: The existing Informative references table with the following updated table.

Informative references

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

Fixed inductances used/usable for high power	H01F 37/00
Thin- or thick-film solid state devices	H10N 97/00
Integrated devices formed in or on semiconductor substrates that comprise only semiconducting layers, characterised by the	H10D 84/201

integration of only components covered by H10D 1/00 or H10D 8/00	
Inductive arrangements or effects of, or between wiring layers of semiconductor devices	H10W 20/497

H01F 27/00

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Constructional features of transformers or inductances in general.

Further information:

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.

Group H01F 27/00 covers constructional features of transformers and inductances falling under the titles of groups H01F 17/00 - H01F 21/00 and H01F 29/00 - H01F 38/00. If a subgroup for a specific detail exists under groups H01F 17/00 - H01F 21/00 and H01F 29/00 - H01F 38/00, this subgroup takes precedence over H01F 27/00.

Group H01F 27/00 also covers details of cores, coils and magnetising arrangements in groups H01F 3/00 - H01F 7/00 and H01F 13/00 if there is no appropriate subgroup for the respective constructional features in the groups H01F 3/00 - H01F 7/00 and H01F 13/00.

- Example: cooling of coils: For superconducting coils (group H01F 6/00), there is a subgroup for cooling covered by group H01F 6/04. For normal-conducting coils, however, which are classified generally in group H01F 5/00 and in group H01F 7/20 when used as electromagnet, no subgroups for cooling exist. Therefore, applications related to the cooling of normal-conducting coils or electromagnets, in addition to groups H01F 5/00 or H01F 7/20, have to be classified in an appropriate subgroup of group H01F 27/08.
- Although in general, no difference is made between "signal type" and " power type" applications in group H01F 27/00, this is not true for the mounting of

transformers/inductances; group H01F 27/027 covers the mounting of "signal type" applications; group H01F 27/06 covers the mounting of "power type" applications.

- Details related to cooling: Cooling arrangements only for coils are covered by group H01F 27/2876; Cooling channels in the insulation of coils are covered by group H01F 27/322; Cooling of transformers/inductances, in general, is covered by group H01F 27/08 and subgroups; group H01F 27/14 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 group H01F 27/022; Encapsulation only of a winding is covered by group H01F 27/327.
- Details related to electric/magnetic shields: Shields in general are covered by group H01F 27/36; Shields of the winding arrangement are covered by group H01F 27/288; Shields of pancake coils are covered by group H01F 27/2871.

References

Delete: The entire Limiting references section.

Replace: The existing Informative references table with the following updated table.

Informative references

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

Cooling of superconducting coils	H01F6/04
High-tension or heavy-current switches with protective arrangements responsive to abnormal fluid pressure, liquid level or liquid displacement, e.g. Buchholz relays	H01H 33/555
Emergency protective circuit arrangements for automatic disconnection directly responsive to abnormal fluid pressure, liquid level or liquid displacement, e.g. Buchholz relays	H02H 5/08
Emergency protective circuits for transformers	H02H 7/04
Arrangements for controlling transformers, reactors or choke coils for the purpose of obtaining a desired output (field not active anymore)	H02P 13/00
Cooling of electrical devices in general	H05K 7/20

H01F 30/00

References

Delete: The entire Limiting references section.

Replace: The existing Application-oriented references table with the following updated table.

Application-oriented references

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:

Fixed transformers of signal type	H01F 19/00
Transformers with superconductive windings	H01F 36/00
Adaptations of transformers for special applications or functions	H01F 38/00

H01F 37/00

References

Delete: The entire Limiting references section.

Insert: The following reference in the Application-oriented references section, in addition to the existing reference/table.

Application-oriented references

Examples of places in relation to which this place is residual:

Fixed inductances of signal type	H01F17/00

3. REVISION CONCORDANCE LIST (RCL)

Type*	**From CPC Symbol (existing)**	**To CPC Symbol(s)**
C	H01F 1/057	H01F 1/057, H01F 1/05712
C	H01F 1/0571	H01F 1/0571, H01F 1/05712
C	H01F 1/0572	H01F 1/0572, H01F 1/05712, H01F 1/05723
C	H01F 1/0573	H01F 1/0573, H01F 1/05712
C	H01F 1/0574	H01F 1/0574, H01F 1/05712
C	H01F 1/0575	H01F 1/0575, H01F 1/05712
C	H01F 1/0576	H01F 1/0576, H01F 1/05712
C	H01F 1/0577	H01F 1/0577, H01F 1/05712
C	H01F 1/0578	H01F 1/0578, H01F 1/05712
C	H01F 1/0579	H01F 1/0579, H01F 1/05712
D	H01F 2007/163	<administrative transfer to H01F 7/165 INV>
D	H01F 2007/1669	<administrative transfer to H01F 7/132 INV>
D	H01F 2007/1692	<administrative transfer to H01F 7/134 INV>
D	H01F 2017/0093	<administrative transfer to H01F 38/48 INV>
D	H01F 2019/085	<administrative transfer to H01F 38/50 INV>
C	H01F 27/00	H01F 27/00, H01F 38/44
D	H01F 2027/065	<administrative transfer to H01F 27/065 INV>
D	H01F 2027/2809	<administrative transfer to H01F 27/2809 INV>
D	H01F 2027/2814	<administrative transfer to H01F 27/2814 INV>
D	H01F 2027/2819	<administrative transfer to H01F 27/2819 INV >
D	H01F 2027/348	<administrative transfer to H01F 27/348 INV>
D	H01F 2027/404	<administrative transfer to H01F 27/404 INV>
D	H01F 2027/406	<administrative transfer to H01F 27/406 INV>
D	H01F 2027/408	<administrative transfer to H01F 27/408 >
D	H01F 2029/143	<administrative transfer to H01F 29/143 INV >
C	H01F 30/00	H01F 30/00, H01F 38/44, H01F 38/50
C	H01F 37/00	H01F 37/00, H01F 38/46, H01F 38/48
C	H01F 38/00	H01F 38/00, H01F 38/44, H01F 38/46, H01F 38/48
D	H01F 2038/305	<administrative transfer to H01F 38/305 INV >
C	H01F 41/0293	H01F 41/0293, H01F 41/02931, H01F 41/02933

* 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; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- 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 (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	**IPC**	**Action***
H01F 1/05712	H01F 1/057	NEW
H01F 1/05723	H01F 1/057	NEW
H01F 7/132	H01F 7/08	NEW
H01F 7/134	H01F 7/08	NEW
H01F 2007/163		DELETE
H01F 7/165	H01F 7/16	NEW
H01F 2007/1669		DELETE
H01F 2007/1692		DELETE
H01F 2017/0093		DELETE
H01F 2019/085		DELETE
H01F 2027/065		DELETE
H01F 27/065	H01F 27/06	NEW
H01F 2027/2809		DELETE
H01F 27/2809	H01F 27/28	NEW
H01F 2027/2814		DELETE
H01F 27/2814	H01F 27/28	NEW
H01F 2027/2819		DELETE
H01F 27/2819	H01F 27/28	NEW
H01F 2027/348		DELETE
H01F 27/348	H01F 27/34	NEW
H01F 2027/404		DELETE
H01F 27/404	H01F 27/40	NEW
H01F 2027/406		DELETE
H01F 27/406	H01F 27/40	NEW
H01F 2027/408		DELETE
H01F 27/408	H01F 27/40	NEW
H01F 2029/143		DELETE
H01F 29/143	H01F 29/14	NEW
H01F 2038/305		DELETE
H01F 38/305	H01F 38/30	NEW
H01F 38/44	H01F 38/00	NEW
H01F 38/46	H01F 38/00	NEW
H01F 38/48	H01F 38/00	NEW
H01F 38/50	H01F 38/00	NEW
H01F 41/02931	H01F 41/02	NEW
H01F 41/02933	H01F 41/02	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.

- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.