

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1233

DATE: JANUARY 1, 2022

PROJECT RP0733

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols New:	H02K	1/2781, 1/2783, 1/2787, 1/2788, 1/2789, 1/279, 1/2791, 1/27915, 1/2792, 1/2795, 1/2796, 1/2798
Titles Changed:	H02K	1/2706, 1/2713, 1/272, 1/2726, 1/2733, 1/274, 1/2746, 1/2753, 1/276, 1/278, 1/2786, 1/2793
Warnings New:	H02K	1/278, 1/2781, 1/2783, 1/2786, 1/2787, 1/2793, 1/2795
Notes Modified:	H02K	Subclass
	H02K	7/10

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 H02K – DYNAMO-ELECTRIC MACHINES (dynamo-electric relays H01H 53/00; conversion of DC or AC input power into surge output power {H03K 3/53})

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
U	H02K1/27	3	Rotor cores with permanent magnets	
M	H02K1/2706	4	Inner rotors	
M	H02K1/2713	5	the magnetisation axis of the magnets being axial, e.g. claw-pole type	
M	H02K1/272	5	the magnetisation axis of the magnets being perpendicular to the rotor axis	
M	H02K1/2726	6	the rotor consisting of a single magnet or two or more axially juxtaposed single magnets	
M	H02K1/2733	7	Annular magnets	
M	H02K1/274	6	the rotor consisting of two or more circumferentially positioned magnets	
M	H02K1/2746	7	the rotor consisting of magnets arranged with the same polarity, e.g. consequent pole type	
M	H02K1/2753	7	the rotor consisting of magnets or groups of magnets arranged with alternating polarity	
M	H02K1/276	8	Magnets embedded in the magnetic core, e.g. interior permanent magnets [IPM]	
U	H02K1/2766	9	{having a flux concentration effect}	
C	H02K1/278	8	Surface mounted magnets; Inset magnets	H02K 1/278, H02K 1/2781, H02K 1/2783
N	H02K1/2781	9	Magnets shaped to vary the mechanical air gap between the magnets and the stator	
N	H02K1/2783	9	with magnets arranged in Halbach arrays	
C	H02K1/2786	4	Outer rotors	H02K 1/2786, H02K 1/2787, H02K 1/2788, H02K 1/2789, H02K 1/279, H02K 1/2791, H02K 1/27915, H02K 1/2792
N	H02K1/2787	5	the magnetisation axis of the magnets being perpendicular to the rotor axis	

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<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>
N	H02K1/2788	6	the rotor consisting of a single magnet or two or more axially juxtaposed single magnets	
N	H02K1/2789	6	the rotor consisting of two or more circumferentially positioned magnets	
N	H02K1/279	7	Magnets embedded in the magnetic core	
N	H02K1/2791	7	Surface mounted magnets; Inset magnets	
N	H02K1/27915	8	Magnets shaped to vary the mechanical air gap between the magnets and the stator	
N	H02K1/2792	8	with magnets arranged in Halbach arrays	
C	H02K1/2793	4	Rotors axially facing stators	H02K 1/2793, H02K 1/2795, H02K 1/2796, H02K 1/2798
N	H02K1/2795	5	the rotor consisting of two or more circumferentially positioned magnets	
N	H02K1/2796	6	where both axial sides of the rotor face a stator	
N	H02K1/2798	6	where both axial sides of the stator face a rotor	

*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”.

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- 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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B. New, Modified or Deleted Warning(s)

SUBCLASS H02K – DYNAMO-ELECTRIC MACHINES (dynamo-electric relays H01H 53/00; conversion of DC or AC input power into surge output power {H03K 3/53})

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	H02K 1/278		Group H02K 1/278 is impacted by reclassification into groups H02K 1/2781 and H02K 1/2783. Groups H02K 1/278, H02K 1/2781 and H02K 1/2783 should be considered in order to perform a complete search.
N	H02K 1/2781		Group H02K 1/2781 is incomplete pending reclassification of documents from group H02K 1/278. Groups H02K 1/278 and H02K 1/2781 should be considered in order to perform a complete search.
N	H02K 1/2783		Group H02K 1/2783 is incomplete pending reclassification of documents from group H02K 1/278. Groups H02K 1/278 and H02K 1/2783 should be considered in order to perform a complete search.
N	H02K 1/2786		Group H02K 1/2786 is impacted by reclassification into groups H02K 1/2787, H02K 1/2788, H02K 1/2789, H02K 1/279, H02K 1/2791, H02K 1/27915 and H02K 1/2792. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 1/2787		Groups H02K 1/2787, H02K 1/2788, H02K 1/2789, H02K 1/279, H02K 1/2791, H02K 1/27915 and H02K 1/2792 are incomplete pending reclassification of documents from group H02K 1/2786. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 1/2793		Group H02K 1/2793 is impacted by reclassification into groups H02K 1/2795, H02K 1/2796 and H02K 1/2798. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 1/2795		Groups H02K 1/2795, H02K 1/2796 and H02K 1/2798 are incomplete pending reclassification of documents from group H02K 1/2793. All groups listed in this Warning should be considered in order to perform a complete search.

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

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.

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C. New, Modified or Deleted Note(s)

SUBCLASS H02K – DYNAMO-ELECTRIC MACHINES (dynamo-electric relays H01H 53/00; conversion of DC or AC input power into surge output power {H03K 3/53})

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	H02K	<p><u>NOTES</u></p> <p>1. This subclass <u>covers</u> the structural adaptation of dynamo-electric machines for the purpose of their control.</p> <p>2. This subclass <u>does not cover</u> starting, regulating, electronically commutating, braking, or otherwise controlling motors, generators or dynamo-electric converters, in general, which are covered by subclass H02P.</p> <p>3. Attention is drawn to the Notes following the titles of class B81 and subclass B81B relating to "microstructural devices" and "microstructural systems".</p> <p>4. Group H02K 16/00 takes precedence over groups H02K 17/00 - H02K 53/00. {This Note corresponds to IPC Note (1) relating to H02K 17/00 - H02K 53/00.}</p> <p>5. {In this subclass, it is desirable to add the indexing codes of H02K 2201/00 - H02K 2213/12.}</p>	<p><u>Replace</u> only existing Note 2 with the <u>updated</u> Note 2 shown below.</p> <p>2. This subclass <u>does not cover</u> starting, regulating, electronically commutating, braking, or otherwise controlling motors, generators or dynamo-electric converters, in general, which is covered by subclass H02P.</p>
M	H02K 7/10	<p><u>NOTE</u></p> <p>Group H02K 7/12 takes precedence over groups H02K 7/102 - H02K 7/118</p>	<p><u>Replace</u> the existing note with the <u>updated</u> note below.</p> <p>{ Group H02K 7/12 takes precedence over groups H02K 7/102 - H02K 7/118 }</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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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H02K 1/278	H02K 1/278, H02K 1/2781, H02K 1/2783
C	H02K 1/2786	H02K 1/2786, H02K 1/2787, H02K 1/2788, H02K 1/2789, H02K 1/279, H02K 1/2791, H02K 1/27915, H02K 1/2792
C	H02K 1/2793	H02K 1/2793, H02K 1/2795, H02K 1/2796, H02K 1/2798

* 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.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H02K 1/2706	H02K 1/2706	UPDATE
H02K 1/2713	H02K 1/2713	UPDATE
H02K 1/272	H02K 1/272	UPDATE
H02K 1/2726	H02K 1/2726	UPDATE
H02K 1/2733	H02K 1/2733	UPDATE
H02K 1/274	H02K 1/274	UPDATE
H02K 1/2746	H02K 1/2746	UPDATE
H02K 1/2753	H02K 1/2753	UPDATE
H02K 1/276	H02K 1/276	UPDATE
H02K 1/2766	H02K 1/276	UPDATE
H02K 1/2773	H02K 1/276	UPDATE
H02K 1/278	H02K 1/278	UPDATE
H02K 1/2781	H02K 1/2781	NEW
H02K 1/2783	H02K 1/2783	NEW
H02K 1/2786	H02K 1/2786	UPDATE
H02K 1/2787	H02K 1/2787	NEW
H02K 1/2788	H02K 1/2788	NEW
H02K 1/2789	H02K 1/2789	NEW
H02K 1/279	H02K 1/279	NEW
H02K 1/2791	H02K 1/2791	NEW
H02K 1/27915	H02K 1/27915	NEW
H02K 1/2792	H02K 1/2792	NEW
H02K 1/2793	H02K 1/2793	UPDATE
H02K 1/2795	H02K 1/2795	NEW
H02K 1/2796	H02K 1/2796	NEW
H02K 1/2798	H02K 1/2798	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.