

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted:	H02K	11/0005
	H02K	11/001
	H02K	11/0015
	H02K	11/0021
	H02K	11/0026
	H02K	11/0031
	H02K	11/0036
	H02K	11/0042
	H02K	11/0047
	H02K	11/0052
	H02K	11/0057
	H02K	11/0063
	H02K	11/0068
	H02K	11/0073
	H02K	11/0078
	H02K	11/0084
	H02K	11/0089
Symbols deleted pending reclassification (frozen (F)):	H02K	11/024
Symbols newly created:	H02K	11/01
	H02K	11/049
	H02K	11/05
	H02K	11/20
	H02K	11/21
	H02K	11/215
	H02K	11/22
	H02K	11/225
	H02K	11/23
	H02K	11/24
	H02K	11/25
	H02K	11/26
	H02K	11/27
	H02K	11/28
	H02K	11/30
	H02K	11/33
	H02K	11/35
	H02K	11/38
	H02K	11/40
Title wording change:	H02K	11/00
	H02K	11/02

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	H02K	11/022
	H02K	11/026
	H02K	11/028
	H02K	11/042
Indent change:	H02K	11/026
	H02K	11/028
Definitions: Modified/Symbol renumbered:	H02K	11/00 (modified)
	H02K	11/0005 (modified; renumbered to 11/01)
	H02K	11/001 (modified; renumbered to 11/20)
	H02K	11/0015 (modified; renumbered to 11/21)
	H02K	11/0021 (renumbered to 11/215)
	H02K	11/0031 (modified; renumbered to 11/225)
	H02K	11/0042 (modified; renumbered to 11/24)
	H02K	11/0047 (modified; renumbered to 11/25)
	H02K	11/0057 (modified; renumbered to 11/27)
	H02K	11/0068 (modified; renumbered to 11/30)
	H02K	11/0073 (modified; renumbered to 11/33)
	H02K	11/0078 (renumbered to 11/35)
	H02K	11/0084 (modified; renumbered to 11/38)
	H02K	11/0089 (renumbered to 11/40)
^^	H02K	11/02 (modified)
	H02K	11/028 (modified)
Scheme Warning Notices to be added:	H02K	11/01
	H02K	11/024
	H02K	11/04
	H02K	11/049
	H02K	11/05

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL): D06F, G01P

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

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)

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)**SUBCLASS H02K – DYNAMO-ELECTRIC MACHINES**

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	H02K 11/00	0	Structural association of dynamo-electric machines with electric components or with devices for shielding, monitoring or protection (casings, enclosures or supports H02K5/00)	
D	H02K11/0005	1	{Electric or magnetic shielding arrangements, i.e. for shielding the electrical machine, the machine components or external devices against electric or magnetic fields generated inside or outside the machine (H02K11/02 takes precedence)}	<administrative transfer to H02K11/01>
D	H02K 11/001	1	{Structural association with devices for measuring, monitoring, protecting, switching}	< administrative transfer to H02K11/20>
D	H02K11/0015	2	{actuated by or sensing speed or position (specially adapted for machines having non-mechanical commutating devices H02K29/06, H02K29/14)}	<administrative transfer to H02K11/21>
D	H02K11/0021	3	{using magnetic effect devices, e.g. Hall, magneto-resistive elements}	<administrative transfer to H02K11/215>
D	H02K11/0026	3	{using optical devices}	<administrative transfer to H02K11/22>
D	H02K11/0031	3	{using detecting coils; using the machine windings as detecting coil}	<administrative transfer to H02K11/225>
D	H02K11/0036	3	{using mechanically actuated centrifugal switches}	<administrative transfer to H02K11/23>
D	H02K11/0042	2	{actuated by or sensing torque}	<administrative transfer to H02K11/24>
D	H02K11/0047	2	{actuated by or sensing temperature (overcurrent protection sensitive to other parameters than temperature H02K11/0057)}	<administrative transfer to H02K11/25>

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	H02K11/0052	2	{actuated by or sensing over-voltage, e.g. over-voltage protection}	<administrative transfer to H02K11/26>
D	H02K11/0057	2	{actuated by or sensing overcurrent}	<administrative transfer to H02K11/27>
D	H02K11/0063	2	{Manual switches}	<administrative transfer to H02K11/28>
D	H02K11/0068	1	{Structural association with control circuits, drive circuits}	<administrative transfer to H02K11/30>
D	H02K11/0073	2	{Drive circuits, e.g. power electronics (H02K11/0084 and H02K11/048 take precedence)}	<administrative transfer to H02K11/33>
D	H02K11/0078	2	{with devices for recording or transmitting machine parameters, e.g. memory chips for diagnostic; radio-transmitters}	<Administrative transfer to H02K11/35>
D	H02K11/0084	2	{associated with gear motors of the worm-and-wheel type}	<administrative transfer to H02K11/38>
D	H02K11/0089	1	{Structural association with grounding devices}	<administrative. transfer to H02K11/40>
U	H02K11/0094	1	{Structural association with other electrical or electronic devices}	
N	H02K 11/01	1	for shielding from electromagnetic fields (means for preventing or reducing eddy-current losses in the winding heads by shielding H02K3/42)	
M	H02K11/02	1	for suppression of electromagnetic interference	
M	H02K11/022	2	{Shields}	
F	H02K11/024	3	{Suppressors}	H02K11/026, H02K11/028
E	H02K11/026	2	Suppressors associated with brushes, brush holders or their supports	
E	H02K11/028	2	Suppressors associated with the rotor	
C	H02K11/04	1	for rectification	H02K11/04, H02K11/049, H02K11/05
M	H02K11/042	2	Rectifiers associated with rotating parts, e.g. rotor cores or rotary shafts	
U	H02K11/048	3	{Rectifiers combined with drive circuits in starter-generators}	

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	H02K11/049	2	Rectifiers associated with stationary parts, e.g. stator cores	
N	H02K11/05	3	Rectifiers associated with casings, enclosures or brackets	
N	H02K11/20	1	for measuring, monitoring, testing, protecting or switching (rectifiers H02K11/04 ;power electronics H02K11/33)	
N	H02K11/21	2	Devices for sensing speed or position, or actuated thereby (specially adapted for machines having non-mechanical commutating devices H02K29/06, H02K29/14)	
N	H02K11/215	3	Magnetic effect devices, e.g. Hall-effect or magneto-resistive elements	
N	H02K11/22	3	Optical devices	
N	H02K11/225	3	Detecting coils	
N	H02K11/23	3	Mechanically-actuated centrifugal switches	
N	H02K11/24	2	Devices for sensing torque, or actuated thereby (H02K11/27 takes precedence)	
N	H02K11/25	2	Devices for sensing temperature, or actuated thereby	
N	H02K11/26	2	Devices for sensing voltage, or actuated thereby, e.g. overvoltage protection devices	
N	H02K11/27	2	Devices for sensing current, or actuated thereby (overcurrent protection responsive to temperature of the machines or parts thereof, e.g. windings, H02K11/25)	
N	H02K11/28	2	Manual switches	
N	H02K11/30	1	Structural association with control circuits or drive circuits	
N	H02K11/33	2	Drive circuits, e.g. power electronics (H02K11/38 takes precedence)	
N	H02K11/35	2	Devices for recording or transmitting machine parameters, e.g. memory chips or radio transmitters for diagnosis	

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
N	H02K11/38	2	Control circuits or drive circuits associated with geared commutator motors of the worm-and-wheel type	
N	H02K11/40	1	Structural association with grounding devices	

*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”.

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

B. New, Modified or Deleted Warning notice(s)**SUBCLASS H02K – DYNAMO-ELECTRIC MACHINES**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	H02K11/024	-	Group H02K11/024 is no longer used for the classification of documents as of January 1, 2016. The content of this group is being reclassified into groups H02K11/026 and H02K11/028. Groups H02K11/024, H02K11/026, and H02K11/028 should be considered in order to perform a complete search.
N	H02K11/026	-	Group H02K11/026 is incomplete pending reclassification of documents from group H02K11/024. Groups H02K11/026 and H02K11/024 should be considered in order to perform a complete search.
N	H02K11/028	-	Group H02K11/028 is incomplete pending reclassification of documents from group H02K11/024. Groups H02K11/028 and H02K11/024 should be considered in order to perform a complete search.
N	H02K11/04	-	Group H02K11/04 is impacted by reclassification into groups H02K11/049 and H02K11/05. Groups H02K11/04, H02K11/049, and H02K11/05 should be considered in order to perform a complete search.
N	H02K11/049	-	Group H02K11/049 is incomplete pending reclassification of documents from group H02K11/024. Groups H02K11/049 and H02K11/024 should be considered in order to perform a complete search.
N	H02K11/05	-	Group H02K11/05 is incomplete pending reclassification H02K11/04. Groups H02K11/05 and H02K11/04 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.

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

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>
H02K11/00	References relevant to classification in this group (First Row)	Structural association with devices for standstill heating H02K15/125	Delete all of the text in the first row. Insert the following text in the <u>FIRST</u> row. Casings, enclosures or supports H02K5/00
H02K11/00	References relevant to classification in this group (Second Row)	-	Delete: The entire row.
H02K11/00	Informative references	-	ADD two <u>NEW</u> rows to the top of the existing Informative references table. Insert the following in the <u>FIRST</u> row/both columns: Structural association with devices for standstill heating H02K15/125 Insert the following in the <u>SECOND</u> row/both columns: Structural association with auxiliary electric devices specific to a kind of machine H02K17/30, H02K19/36, H02K23/66, H02K27/28
H02K11/0005	References relevant to classification in this group	RFI (radio frequency interference), EMI (electromagnetic interference) shielding	Means for preventing or reducing eddy-current losses in the winding heads by shielding
H02K11/0005	References relevant to classification in this group	H02K11/02	H02K3/42
H02K11/0005	Special rules of classification within this group	H02K11/0005	H02K11/01

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

<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>
			Devices for sensing current, or actuated thereby H02K11/27
H02K11/0042	Symbol	-	<u>Renumber symbol to:</u> H02K11/24
H02K11/0047	Informative references	H02K11/0057	H02K11/27
H02K11/0047	Symbol	-	H02K11/25
H02K11/0057	Informative references	Fuses responding (melting) to the ambient temperature	Devices for sensing temperature, or actuated thereby
H02K11/0057	Informative references	H02K11/0047	H02K11/25
H02K11/0057	Informative references	Informative references	Delete the heading “Informative references” (<u>keep the table and text</u>). Replace the heading with the heading shown below: References relevant to classification in this group
H02K11/0057	Symbol	-	<u>Renumber symbol to:</u> H02K11/27
H02K11/0068	Informative references	H02K11/001	H02K11/20
H02K11/0068	Symbol	-	<u>Renumber symbol to:</u> H02K11/30
H02K11/0073	References relevant to classification in this group (first row)	Control circuits, with or without power electronics, associated with small gear motors of the worm and wheel type e.g. of the type used in windshield wipers H02K11/0084	Replace the existing text with the following text: Control circuits or drive circuits associated with geared commutator motors of the worm-and-wheel type H02K11/38
H02K11/0073	References relevant to classification in this group (second row)	-	Delete the entire second row.
H02K11/0073	Informative references	-	Under the second row in the table, insert a new row with the text below in both columns: Rectifiers combined with drive circuits in

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference</u> <u>symbol or text</u>	<u>Action; New symbol; New text</u>
			starter-generators H02K11/048
H02K11/0073	Symbol	-	<u>Renumber symbol to:</u> H02K11/33
H02K11/0078	Symbol	-	<u>Renumber symbol to:</u> H02K11/35
H02K11/0084	References relevant to classification in this group	H02K11/00	Delete (<u>only</u> the reference symbol).
H02K11/0084	References relevant to classification in this group	H02K11/0073	H02K11/33
H02K11/0084	References relevant to classification in this group	References relevant to classification in this group	Replace the existing heading with the following heading: Informative references
H02K11/0084	Symbol	-	<u>Renumber symbol to:</u> H02K11/38
H02K11/0089	Symbol	-	<u>Renumber symbol to:</u> H02K11/40
H02K11/02	Informative references	H02K11/0005	H02K11/01
H02K11/02	Special rules of classification within this group	H02K11/0005	H02K11/01
H02K11/028	References relevant to classification in this group	References relevant to classification in this group	Replace the <u>existing</u> heading with the following heading: Informative references

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.

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H02K 11/0005	<administrative transfer to H02K 11/01>
D	H02K 11/001	<administrative transfer to H02K 11/20>
D	H02K 11/0015	<administrative transfer to H02K 11/21>
D	H02K 11/0021	<administrative transfer to H02K 11/215>
F	H02K11/024	H02K11/026, H02K11/028
D	H02K 11/0026	<administrative transfer to H02K 11/22>
D	H02K 11/0031	<administrative transfer to H02K 11/225>
D	H02K 11/0036	<administrative transfer to H02K 11/23>
D	H02K 11/0042	<administrative transfer to H02K 11/24>
D	H02K 11/0047	<administrative transfer to H02K 11/25>
D	H02K 11/0052	<administrative transfer to H02K 11/26>
D	H02K 11/0057	<administrative transfer to H02K 11/27>
D	H02K 11/0063	<administrative transfer to H02K 11/28>
D	H02K 11/0068	<administrative transfer to H02K 11/30>
D	H02K 11/0073	<administrative transfer to H02K 11/33>
D	H02K 11/0078	<administrative transfer to H02K 11/35>
D	H02K 11/0084	<administrative transfer to H02K 11/38>
D	H02K 11/0089	<administrative transfer to H02K 11/40>
C	H02K 11/04	H02K 11/04, H02K 11/049, H02K11/05

* 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.

NOTES:

- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the "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".

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H02K 11/0005	-	Delete
H02K11/001	-	Delete
H02K11/0015	-	Delete
H02K11/0021	-	Delete
H02K11/0026	-	Delete
H02K11/0031	-	Delete
H02K11/0036	-	Delete
H02K11/0042	-	Delete
H02K11/0047	-	Delete
H02K11/0052	-	Delete
H02K11/0057	-	Delete
H02K11/0063	-	Delete
H02K11/0068	-	Delete
H02K11/0073	-	Delete
H02K11/0078	-	Delete
H02K11/0084	-	Delete
H02K11/0089	-	Delete
H02K11/01	H02K11/01	New
H02K11/026	H02K11/026	Update
H02K11/028	H02K11/028	Update
H02K11/042	H02K11/042	Update
H02K11/049	H02K11/049	New
H02K11/05	H02K11/05	New
H02K11/20	H02K11/20	New
H02K11/21	H02K11/21	New
H02K11/215	H02K11/215	New
H02K11/22	H02K11/22	New
H02K11/225	H02K11/225	New
H02K11/23	H02K11/23	New
H02K11/24	H02K11/24	New
H02K11/25	H02K11/25	New
H02K11/26	H02K11/26	New
H02K11/27	H02K11/27	New
H02K11/28	H02K11/28	New
H02K11/30	H02K11/30	New
H02K11/33	H02K11/33	New
H02K11/35	H02K11/35	New
H02K11/38	H02K11/38	New
H02K11/40	H02K11/40	New

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

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

CPC NOTICE OF CHANGES 154

DATE: JANUARY 1, 2016

PROJECT RP0300

5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
D06F37/302	H02K11/0015	Informative reference	H02K11/21
G01P3/44	H02K11/0015	Informative reference	H02K11/21
H02K29/06	H02K11/0015	Informative reference	H02K11/21
H02K29/12	H02K11/0031	References relevant to classification in this group	H02K11/225
H02K29/14	H02K11/0015	Informative reference	H02K11/21

NOTES:

- The CRL tables above are used for changes to locations outside of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” referenced D symbols should indicate an action of “delete” or should indicate a replacement symbol and referenced F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.