

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1686

DATE: JANUARY 1, 2025

PROJECT RP12335

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols Deleted:	H02K	15/0006, 15/0012, 15/0018, 15/0025, 15/0031, 15/0037, 15/0043, 15/005, 15/0056, 15/0062, 15/0068, 15/0081, 15/0087, 15/0093, 15/024, 15/0435, 15/0442, 15/045, 15/0464, 15/0471, 15/0478, 15/0492
Symbols Deleted Pending Reclassification: (frozen (F))	H02K	15/063, 15/105
Symbols New:	H02K	15/021, 15/0225, 15/023, 15/025, 15/027, 15/0273, 15/0275, 15/0278, 15/035, 15/038, 15/043, 15/0431, 15/0432, 15/0433, 15/0434, 15/044, 15/046, 15/047, 15/048, 15/0643, 15/0646, 15/104, 15/106, 15/108, 15/121, 15/122, 15/123, 15/13, 15/142, 15/144, 15/146, 15/148, 15/20, 15/22, 15/24, 15/26, 15/28, 15/30, 15/32, 15/33, 15/34, 15/35, 15/36, 15/38, 15/40, 15/50, 15/60, 15/70, 15/80, 15/90, 15/95
Titles Changed:	H02K	15/00, 15/022, 15/026, 15/028, 15/04, 15/0407, 15/0414, 15/0421, 15/0428, 15/06, 15/061, 15/062, 15/064, 15/065, 15/066, 15/067, 15/068, 15/10, 15/12, 15/125, 15/16, 15/165
Indents Changed:	H02K	15/022, 15/028, 15/0485
Warnings New:	H02K	15/00, 15/02, 15/021, 15/022, 15/0225, 15/026, 15/027, 15/0273, 15/0275, 15/0278, 15/028, 15/03, 15/035, 15/038, 15/04, 15/043, 15/0431, 15/0432, 15/0433, 15/0434, 15/044, 15/046, 15/047, 15/048, 15/0485, 15/063, 15/064, 15/0643, 15/0646, 15/065, 15/10, 15/104, 15/105, 15/106, 15/108, 15/12, 15/121, 15/122, 15/123, 15/14, 15/142, 15/144, 15/146, 15/148, 15/30, 15/33, 15/34, 15/40, 15/50, 15/60, 15/70, 15/80, 15/90, 15/95
<b>DEFINITIONS:</b>		

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<b><u>Action</u></b>	<b><u>Subclass</u></b>	<b><u>Group(s)</u></b>
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	H02K	15/0006, 15/0012, 15/0025, 15/0031, 15/0037, 15/0043, 15/0056, 15/0062, 15/0068, 15/0081, 15/0442, 15/0464, 15/0478
Definitions New:	H02K	15/023, 15/146, 15/20, 15/26, 15/30, 15/32, 15/33, 15/35, 15/50, 15/95
Definitions Modified:	H02K	15/00, 15/026, 15/03, 15/04, 15/064, 15/065, 15/068, 15/12, 15/165,

**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):**

*B21F, B21C, G01M, G01R, H02K7/04, H02K11/00*

**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**

<b>Type*</b>	<b>Symbol</b>	<b>Indent Level Number of dots (e.g. 0, 1, 2)</b>	<b>Title “CPC only” text should normally be enclosed in {curly brackets}**</b>	<b>Transferred to#</b>
C	H02K15/00	0	Processes or apparatus specially adapted for manufacturing, assembling, maintaining or repairing of dynamo-electric machines	H02K15/00, H02K15/40, H02K15/50, H02K15/60, H02K15/70, H02K15/80, H02K15/90, H02K15/95
D	H02K15/006	1	{Disassembling, repairing or modifying dynamo-electric machines (repairing of cooling fluid boxes H02K15/0093)}	<administrative transfer to H02K15/50>
D	H02K15/0012	1	{Manufacturing cage rotors}	<administrative transfer to H02K15/023>
D	H02K15/0018	1	{Applying slot closure means in the core; Manufacture of slot closure means}	<administrative transfer to H02K15/13>
D	H02K15/0025	1	{Shaping or compacting conductors or winding heads after the installation of the winding in the core or machine (methods or apparatus for simultaneously twisting a plurality of hairpins prior to mounting H02K15/0428); Applying fastening means on winding heads}	<administrative transfer to H02K15/20>
D	H02K15/0031	2	{Shaping or compacting conductors in slots or around salient poles (H02K15/005 takes precedence)}	<administrative transfer to H02K15/22>
D	H02K15/0037	2	{Shaping or compacting winding heads (H02K15/005, H02K15/0087 and H02K15/0428 take precedence)}	<administrative transfer to H02K15/24>
D	H02K15/0043	3	{Applying fastening means on winding heads (fastening by applying resin, glue, varnish and similar means H02K15/12)}	<administrative transfer to H02K15/26>
D	H02K15/005	2	{by means of electrodynamic forces}	<administrative transfer to H02K15/28>
D	H02K15/0056	1	{Manufacturing winding connections}	<administrative transfer to H02K15/30>
D	H02K15/0062	2	{Manufacturing the terminal arrangement <u>per se</u> ; Connecting the terminals to an external circuit}	<administrative transfer to H02K15/32>

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D	H02K15/0068	2	{Connecting winding sections; Forming leads; Connecting leads to terminals }	<administrative transfer to H02K 15/33>
D	H02K15/0081	3	{for form-wound windings }	<administrative transfer to H02K 15/35>
D	H02K15/0087	4	{characterised by the method or apparatus for simultaneously twisting a plurality of hairpins open ends after insertion into the machine (for simultaneously twisting a plurality of hairpins prior to mounting into the machine H02K15/0428)}	<administrative transfer to H02K 15/36>
D	H02K15/0093	4	{Manufacturing or repairing cooling fluid boxes, i.e. terminals of fluid cooled windings ensuring both electrical and fluid connection }	<administrative transfer to H02K 15/38>
C	H02K15/02	1	of stator or rotor bodies	H02K15/02, H02K15/021, H02K15/025, H02K15/026, H02K15/027, H02K15/0273, H02K15/0275, H02K15/0278, H02K15/028
N	H02K15/021	2	Magnetic cores	
C	H02K15/022	3	with salient poles	H02K15/022, H02K15/0225, H02K15/026, H02K15/028
N	H02K15/0225	4	with claw-shaped poles	
N	H02K15/023	3	Cage rotors	
D	H02K15/024	2	{with slots }	<administrative transfer to H02K15/021>
N	H02K15/025	3	characterised by skewed structures in cores	
T	H02K15/026	3	Wound cores	
N	H02K15/027	3	Punching the cores	
N	H02K15/0273	3	Laminating the cores	
N	H02K15/0275	3	Annealing the cores	
N	H02K15/0278	3	Welding the cores	
T	H02K15/028	2	Fastening stator or rotor bodies to casings, supports, shafts or hubs	
C	H02K15/03	2	having permanent magnets	H02K15/03, H02K15/035, H02K15/038
N	H02K15/035	3	on the rotor	
N	H02K15/038	3	Polarising or magnetising the permanent magnets	
C	H02K15/04	1	of windings prior to their mounting into the machines (insulating windings H02K15/10, H02K15/12)	H02K15/04, H02K15/043, H02K15/044, H02K15/046, H02K15/047, H02K15/048
M	H02K15/0407	2	Manufacturing of windings by etching, printing or stamping the complete coils	

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M	H02K15/0414	2	the windings consisting of separate elements, e.g. bars, segments or half coils	
M	H02K15/0421	3	and consisting of single conductors, e.g. hairpins	
M	H02K15/0428	4	Processes or apparatus for simultaneously twisting two or more hairpins	
Q	H02K15/043	2	winding flat conductive wires or sheets	H02K15/043, H02K15/0431, H02K15/0432, H02K15/0433, H02K15/0434, H02K15/044, H02K15/046, H02K15/047
Q	H02K15/0431	3	{Concentrated windings}	H02K15/0431, H02K15/0432, H02K15/046, H02K15/047
Q	H02K15/0432	3	{Distributed windings}	H02K15/0431, H02K15/0432, H02K15/046, H02K15/047
Q	H02K15/0433	4	{of the wave winding type}	H02K15/0433, H02K15/048
N	H02K15/0434	5	{manufactured by shaping an annular winding}	
D	H02K15/0435	2	{Wound windings}	<administrative transfer to H02K15/043>
N	H02K15/044	2	winding non-flat conductive wires, e.g. cables or cords	
D	H02K15/0442	3	{Loop windings (manufacturing of windings consisting of overlapped loops H02K15/0464)}	<administrative transfer to H02K15/0431>
D	H02K15/045	4	{Form wound coils}	<administrative transfer to H02K15/0431>
N	H02K15/046	3	Concentrated windings	
D	H02K15/0464	3	{Lap windings (when on diagonally wound hollow coils H02K15/0492)}	<administrative transfer to H02K15/0432>
N	H02K15/047	3	Distributed windings	
D	H02K15/0471	4	{manufactured by flattening a spiral winding}	<administrative transfer to H02K15/0432>
D	H02K15/0478	3	{Wave windings, undulated windings (when on diagonally wound hollow coils H02K15/0492)}	<administrative transfer to H02K15/0433>
N	H02K15/048	4	of the wave winding type	
C	H02K15/0485	5	{manufactured by shaping an annular winding}	H02K15/0434, H02K15/0485
D	H02K15/0492	3	{Diagonally wound hollow coils}	<administrative transfer to H02K15/043>
M	H02K15/06	1	Embedding prefabricated windings in the machines	
M	H02K15/061	2	Air-gap windings	
M	H02K15/062	2	Windings in slots; Salient pole windings	

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F	H02K15/063	3	{ Windings for large electric machines, e.g. bar windings (windings consisting of cables H02K15/065)}	H02K15/0643, H02K15/0646, H02K15/065, H02K15/066, H02K15/067, H02K15/068
C	H02K15/064	3	Windings consisting of separate segments	H02K15/064, H02K15/0643, H02K15/0646
N	H02K15/0643	4	Hairpin windings	
N	H02K15/0646	4	Bar windings consisting of pre-assembled multiple conductors, e.g. Roebel bars	
M	H02K15/065	3	Windings consisting of complete sections, e.g. coils or waves	
M	H02K15/066	4	inserted perpendicularly to the axis of the slots or inter-polar channels	
M	H02K15/067	4	inserted in parallel to the axis of the slots or inter-polar channels	
M	H02K15/068	5	Strippers; Embedding windings by strippers	
U	H02K15/08	1	Forming windings by laying conductors into or around core parts	
U	H02K15/085	2	by laying conductors into slotted stators	
U	H02K15/09	2	by laying conductors into slotted rotors	
U	H02K15/095	2	by laying conductors around salient poles	
C	H02K15/10	1	Applying solid insulation to windings, stators or rotors, e.g. applying insulating tapes	H02K15/10, H02K15/104, H02K15/106, H02K15/108
N	H02K15/104	2	Insulating between conductors	
F	H02K15/105	2	{to the windings}	H02K15/10, H02K15/104, H02K15/106, H02K15/108
N	H02K15/106	2	Insulating between conductors and cores	
N	H02K15/108	2	with slot liners	
C	H02K15/12	1	Impregnating, moulding insulation, heating or drying of windings, stators, rotors or machines	H02K15/12, H02K15/121, H02K15/122, H02K15/123
N	H02K15/121	2	of cores	
N	H02K15/122	2	of windings	
N	H02K15/123	2	of casings or enclosures	
M	H02K15/125	2	Heating or drying of machines in operational state, e.g. standstill heating	
N	H02K15/13	1	Applying slot closure means in the cores; Manufacture of slot closure means	

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C	H02K15/14	1	Casings; Enclosures; Supports	H02K15/14, H02K15/142, H02K15/144, H02K15/146, H02K15/148
N	H02K15/142	2	by moulding	
N	H02K15/144	2	of shafts, bearings or supports therefor	
N	H02K15/146	2	of brush holders	
N	H02K15/148	2	Insulating casings or enclosures (H02K 15/123 takes precedence)	
M	H02K15/16	1	Centring rotors within the stators	
M	H02K15/165	2	Balancing the rotors	
N	H02K15/20	1	Shaping or compacting conductors or winding heads after the installation of the winding in the cores or machines; Applying fastening means on winding heads	
N	H02K15/22	2	Shaping or compacting conductors in slots or around salient poles (H02K 15/28 takes precedence)	
N	H02K15/24	2	Shaping or compacting winding heads (H02K 15/0428, H02K 15/28, H02K 15/36 take precedence)	
N	H02K15/26	3	Applying fastening means on winding heads	
N	H02K15/28	2	using electrodynamic forces	
Q	H02K15/30	1	Manufacture of winding connections	H02K15/30, H02K15/34
N	H02K15/32	2	Manufacture of terminal arrangements; Connecting the terminals to external circuits	
Q	H02K15/33	2	Connecting winding sections; Forming leads; Connecting leads to terminals	H02K15/33, H02K15/34
N	H02K15/34	3	Connecting the neutral point	
N	H02K15/35	3	Form-wound windings	
N	H02K15/36	4	Processes or apparatus for simultaneously twisting two or more open ends of hairpins after their insertion into the machine (for simultaneously twisting two or more hairpins prior to mounting into the machine H02K 15/0428)	
N	H02K15/38	4	Manufacturing or repairing cooling fluid boxes, e.g. ensuring both electrical and fluid connection of terminals of fluid cooled windings	
N	H02K15/40	1	Assembling dynamo-electric machines (H02K 15/16 takes precedence)	

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N	H02K15/50	1	Disassembling, repairing or modifying dynamo-electric machines (repairing of cooling fluid boxes H02K 15/38)	
N	H02K15/60	1	Hoisting or moving dynamo-electric machines	
N	H02K15/70	1	Cleaning dynamo-electric machines	
N	H02K15/80	1	Manufacturing lines specially adapted for dynamo-electrical machines, e.g. feeding or unloading	
N	H02K15/90	1	Positioning or clamping dynamo-electric machines, e.g. jigs	
N	H02K15/95	1	Installation of current collectors, e.g. commutators, slip-rings or brushes	

\*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 finalization 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 notice(s)

**SUBCLASS H02K - DYNAMO-ELECTRIC MACHINES**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
N	H02K 15/00		Group H02K 15/00 is impacted by reclassification into groups H02K 15/40, H02K 15/50, H02K 15/60, H02K 15/70, H02K 15/80, H02K 15/90 and H02K 15/95. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/02		Group H02K 15/02 is impacted by reclassification into groups H02K 15/021, H02K 15/025, H02K 15/026, H02K 15/027, H02K 15/0273, H02K 15/0275, H02K 15/0278 and H02K 15/028. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/021		Groups H02K 15/021 and H02K 15/025 are incomplete pending reclassification of documents from group H02K 15/02. Groups H02K 15/02, H02K 15/021 and H02K 15/025 should be considered in order to perform a complete search.
N	H02K 15/022		Group H02K 15/022 is impacted by reclassification into groups H02K 15/0225, H02K 15/026 and H02K 15/028. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/0225		Group H02K 15/0225 is incomplete pending reclassification of documents from group H02K 15/022. Groups H02K 15/022 and H02K 15/0225 should be considered in order to perform a complete search.
N	H02K 15/026		Group H02K 15/026 is incomplete pending reclassification of documents from groups H02K 15/02 and H02K 15/022. Groups H02K 15/02, H02K 15/022 and H02K 15/026 should be considered in order to perform a complete search.

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N	H02K 15/027		Groups H02K 15/027 is incomplete pending reclassification of documents from group H02K 15/02. Groups H02K 15/02 and H02K 15/027 should be considered in order to perform a complete search.
N	H02K 15/0273		Group H02K 15/0273 is incomplete pending reclassification of documents from group H02K 15/02. Groups H02K 15/02 and H02K 15/0273 should be considered in order to perform a complete search.
N	H02K 15/0275		Group H02K 15/0275 is incomplete pending reclassification of documents from group H02K 15/02. Groups H02K 15/02 and H02K 15/0275 should be considered in order to perform a complete search.
N	H02K 15/0278		Group H02K 15/0278 is incomplete pending reclassification of documents from group H02K 15/02. Groups H02K 15/02 and H02K 15/0278 should be considered in order to perform a complete search.
N	H02K 15/028		Group H02K 15/028 is incomplete pending reclassification of documents from groups H02K 15/02 and H02K 15/022. Groups H02K 15/02, H02K 15/022 and H02K 15/028 should be considered in order to perform a complete search.
N	H02K 15/03		Group H02K 15/03 is impacted by reclassification into groups H02K 15/035 and H02K 15/038. Groups H02K 15/03, H02K 15/035 and H02K 15/038 should be considered in order to perform a complete search.
N	H02K 15/035		Group H02K 15/035 is incomplete pending reclassification of documents from group H02K 15/03. Groups H02K 15/03 and H02K 15/035 should be considered in order to perform a complete search.
N	H02K15/038		Group H02K 15/038 is incomplete pending reclassification of documents from group H02K 15/03. Groups H02K 15/03 and H02K 15/038 should be considered in order to perform a complete search.
N	H02K 15/04		Group H02K 15/04 is impacted by reclassification into groups H02K 15/043, H02K 15/044, H02K 15/046, H02K 15/047 and H02K 15/048. All groups listed in this

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			Warning should be considered in order to perform a complete search.
N	H02K 15/043		Group H02K 15/043 is incomplete pending reclassification of documents from group H02K 15/04. Group H02K 15/043 is also impacted by reclassification into groups H02K 15/0431, H02K 15/0432, H02K 15/0433, H02K 15/0434, H02K 15/044, H02K 15/046 and H02K 15/047. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/0431		Group H02K 15/0431 is incomplete pending reclassification of documents from groups H02K 15/043 and H02K 15/0432. Group H02K 15/0431 is also impacted by reclassification into groups H02K 15/0432, H02K 15/046 and H02K 15/047. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/0432		Group H02K 15/0432 is incomplete pending reclassification of documents from groups H02K 15/043 and H02K 15/0431. Group H02K 15/0432 is also impacted by reclassification into groups H02K 15/0431, H02K 15/046 and H02K 15/047. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/0433		Group H02K 15/0433 is incomplete pending reclassification of documents from group H02K 15/043. Group H02K 15/0433 is also impacted by reclassification into group H02K 15/048. Groups H02K 15/043, H02K 15/0433 and H02K 15/048 should be considered in order to perform a complete search
N	H02K 15/0434		Group H02K 15/0434 is incomplete pending reclassification of documents from groups H02K 15/043 and H02K 15/0485. Groups H02K 15/043, H02K 15/0485 and H02K 15/0434 should be considered in order to perform a complete search.
N	H02K 15/044		Group H02K 15/044 is incomplete pending reclassification of documents from groups H02K 15/04 and H02K 15/043. Groups H02K 15/04, H02K 15/043 and H02K 15/044 should be considered in order to perform a complete search.

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N	H02K 15/046		Group H02K 15/046 is incomplete pending reclassification of documents from groups H02K 15/04, H02K 15/043, H02K 15/0431 and H02K15/0432. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/047		Group H02K 15/047 is incomplete pending reclassification of documents from groups H02K 15/04, H02K 15/043, H02K15/0431 and H02K 15/0432. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/048		Group H02K 15/048 is incomplete pending reclassification of documents from groups H02K 15/04 and H02K 15/0433. Groups H02K 15/04, H02K 15/0433 and H02K 15/048 should be considered in order to perform a complete search.
N	H02K 15/0485		Group H02K 15/0485 is impacted by reclassification into group H02K 15/0434. Groups H02K 15/0485 and H02K 15/0434 should be considered in order to perform a complete search.
N	H02K 15/063		Group H02K 15/063 is no longer used for the classification of documents as of January 1, 2025. The content of this group is being reclassified into groups H02K15/0643, H02K 15/0646, H02K 15/065, H02K 15/066, H02K 15/067 and H02K 15/068. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/064		Group H02K 15/064 is impacted by reclassification into groups H02K 15/0643 and H02K 15/0646. Groups H02K 15/064, H02K 15/0643 and H02K 15/0646 should be considered in order to perform a complete search.
N	H02K 15/0643		Group H02K 15/0643 is incomplete pending reclassification of documents from group H02K 15/064. Groups H02K 15/064 and H02K 15/0643 should be considered in order to perform a complete search.
N	H02K 15/0646		Group H02K 15/0646 is incomplete pending reclassification of documents from groups H02K 15/063 and H02K 15/064. Groups H02K 15/063, H02K 15/064 and H02K 15/0646 should be considered in order to perform a complete search.

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N	H02K 15/065		Groups H02K 15/065, H02K 15/066, H02K 15/067 and H02K 15/068 are incomplete pending reclassification of documents from group H02K 15/063. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/10		Group H02K 15/10 is incomplete pending reclassification of documents from group H02K 15/105. Group H02K 15/10 is also impacted by reclassification into groups H02K 15/104, H02K 15/106 and H02K 15/108. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/104		Group H02K 15/104 is incomplete pending reclassification of documents from groups H02K 15/10 and H02K 15/105. Groups H02K 15/10, H02K 15/105 and H02K 15/104 should be considered in order to perform a complete search.
N	H02K 15/105		Group H02K 15/105 is no longer used for the classification of documents as of January 1, 2025. The content of this group is being reclassified into groups H02K 15/10, H02K 15/104, H02K 15/106 and H02K 15/108. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/106		Group H02K 15/106 is incomplete pending reclassification of documents from groups H02K 15/10 and H02K 15/105. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/108		Group H02K 15/108 is incomplete pending reclassification of documents from groups H02K 15/10 and H02K 15/105. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/12		Group H02K 15/12 is impacted by reclassification into groups H02K 15/121, H02K 15/122 and H02K 15/123. All groups listed in this Warning should be considered in order to perform a complete search.

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N	H02K 15/121		Group H02K 15/121 is incomplete pending reclassification of documents from group H02K 15/12. Groups H02K 15/12 and H02K 15/121 should be considered in order to perform a complete search.
N	H02K 15/122		Group H02K 15/122 is incomplete pending reclassification of documents from group H02K 15/12. Groups H02K 15/12 and H02K 15/122 should be considered in order to perform a complete search.
N	H02K 15/123		Group H02K 15/123 is incomplete pending reclassification of documents from group H02K 15/12. Groups H02K 15/12 and H02K 15/123 should be considered in order to perform a complete search.
N	H02K 15/14		Group H02K 15/14 is impacted by reclassification into groups H02K 15/142, H02K 15/144, H02K 15/146 and H02K 15/148. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02K 15/142		Group H02K 15/142 is incomplete pending reclassification of documents from group H02K 15/14. Groups H02K 15/14 and H02K 15/142 should be considered in order to perform a complete search.
N	H02K 15/144		Group H02K 15/144 is incomplete pending reclassification of documents from group H02K 15/14. Groups H02K 15/14 and H02K 15/144 should be considered in order to perform a complete search.
N	H02K 15/146		Group H02K 15/146 is incomplete pending reclassification of documents from group H02K 15/14. Groups H02K 15/14 and H02K 15/146 should be considered in order to perform a complete search.
N	H02K 15/148		Group H02K 15/148 is incomplete pending reclassification of documents from group H02K 15/14. Groups H02K 15/14 and H02K 15/148 should be considered in order to perform a complete search.
N	H02K 15/30		Group H02K 15/30 is impacted by reclassification into group H02K 15/34. Groups H02K 15/30 and H02K 15/34 should be considered in order to perform a complete search.
N	H02K 15/33		Group H02K 15/33 is impacted by reclassification into group H02K 15/34.

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			Groups H02K 15/33 and H02K 15/34 should be considered in order to perform a complete search.
N	H02K 15/34		Group H02K 15/34 is incomplete pending reclassification of documents from groups H02K 15/30 and H02K 15/33. Groups H02K 15/30, H02K 15/33 and H02K 15/34 should be considered in order to perform a complete search.
N	H02K 15/40		Group H02K 15/40 is incomplete pending reclassification of documents from group H02K 15/00. Groups H02K 15/00 and H02K 15/40 should be considered in order to perform a complete search.
N	H02K 15/50		Group H02K 15/50 is incomplete pending reclassification of documents from group H02K 15/00. Groups H02K 15/00 and H02K 15/50 should be considered in order to perform a complete search.
N	H02K 15/60		Group H02K 15/60 is incomplete pending reclassification of documents from group H02K 15/00. Groups H02K 15/00 and H02K 15/60 should be considered in order to perform a complete search.
N	H02K 15/70		Group H02K 15/70 is incomplete pending reclassification of documents from group H02K 15/00. Groups H02K 15/00 and H02K 15/70 should be considered in order to perform a complete search.
N	H02K 15/80		Group H02K 15/80 is incomplete pending reclassification of documents from group H02K 15/00. Groups H02K 15/00 and H02K 15/80 should be considered in order to perform a complete search.
N	H02K 15/90		Group H02K 15/90 is incomplete pending reclassification of documents from group H02K 15/00. Groups H02K 15/00 and H02K 15/90 should be considered in order to perform a complete search.
N	H02K 15/95		Group H02K 15/95 is incomplete pending reclassification of documents from group H02K 15/00. Groups H02K 15/00 and H02K 15/95 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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**2. A. DEFINITIONS (new)****H02K15/023****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Casting rotors, stators for electric motors	<a href="#">B22D 19/0054</a>
---------------------------------------------	------------------------------

**H02K15/146****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Brush holders in dynamo-electric machines	<a href="#">H02K 5/14</a>
Manufacturing the winding till the terminal, including connecting the winding (lead) to the terminal	<a href="#">H02K 15/33</a>
Brush holders for rotary current collectors, distributors or interrupters	<a href="#">H01R 39/38</a>
Manufacture of brushes	<a href="#">H01R 43/12</a>

**H02K15/20****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Methods or apparatus for simultaneously twisting a plurality of hairpins prior to mounting into the core	<a href="#">H02K 15/0428</a>
----------------------------------------------------------------------------------------------------------	------------------------------



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## H02K15/26

### Definition statement

*This place covers:*

Binding the winding heads.

### References

#### Informative references

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

Fastening by means of resin, glue, etc.	<a href="#">H02K 15/12</a>
-----------------------------------------	----------------------------

## H02K15/30

### Definition statement

*This place covers:*

Method or apparatus for manufacturing terminals or leads.

### References

#### Informative references

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

Apparatus or processes specially adapted for manufacturing, assembling, maintaining or repairing of line connectors	<a href="#">H01R 43/00</a>
---------------------------------------------------------------------------------------------------------------------	----------------------------

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## Glossary of terms

*In this place, the following terms or expressions are used with the meaning indicated:*

form-wound windings	windings (e.g. made of heavy gauge wire) wherein the conductors are wound in a specific position of the winding bundle
---------------------	------------------------------------------------------------------------------------------------------------------------

## H02K15/32

### References

#### Informative references

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

Connecting the windings to the terminals; Connecting the windings to each other	<a href="#">H02K 15/33</a>
---------------------------------------------------------------------------------	----------------------------

## H02K15/33

### Definition statement

*This place covers:*

- Connecting separate sections of a winding;
- Connecting the winding to the terminals, e.g. forming the winding leads.

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## H02K15/35

### Definition statement

*This place covers:*

Windings wherein the conductors are wound in a specific position of the winding bundle.

### References

#### Informative references

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

Windings consisting of cables	<a href="#">H02K 15/30</a>
Methods or apparatus for simultaneously twisting a plurality of hairpins prior to mounting into the core	<a href="#">H02K 15/0428</a>

## H02K15/50

### References

#### Limiting references

*This place does not cover:*

Manufacturing or repairing cooling fluid boxes	<a href="#">H02K 15/38</a>
------------------------------------------------	----------------------------

#### Informative references

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

Recycling in general	<a href="#">B09B 5/00</a>
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**Special rules of classification**

Processes to obtain a type of machine, e.g. a permanent magnet alternator, by modifying another type of machine, e.g. an asynchronous motor, are classified as invention in [H02K 15/50](#) and in the group of the obtained machine and as additional information in the group of the original machine.

**H02K15/95****References****Informative references**

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

Manufacture of commutators	<a href="#">H01R 43/06</a>
Manufacture of slip-rings	<a href="#">H01R 43/10</a>
Manufacture of brushes	<a href="#">H01R 43/12</a>
Maintenance of current collectors, e.g. reshaping of brushes or cleaning of commutators	<a href="#">H01R43/14</a>

## 2. A. DEFINITIONS (modified)

### H02K 15/00

Delete: The entire Definition statement.

### References

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:*

Cleaning in general	B08B
Shaping by press-cutting laminations for dynamo-electric machines	B21D 28/22
Forging	B21K 1/00
Uniting components to form integral members, e.g. turbine wheels and shafts, caulks with inserts, with or without shaping of the components	B21K 25/00
Connecting or disconnecting metal parts or objects by metal-working techniques, not otherwise provided for	B23P 11/00
Making specific metal objects by operations not covered by a single other subclass or a group in B23P	B23P 15/00
Machines for simply fitting together or separating metal parts or objects, or metal and non-metal parts, whether or not involving some deformation, or tools or devices therefor so far as not provided for in other classes, for connecting objects by press fit or for detaching same	B23P 19/02

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Arrangements for handling work or use in connection with machine tools	B23Q 7/00
Treatment of ferrous metals	C21D
Noise/vibration dampening; Balancing	F16F
Measuring vibrations (of rotating machines)	G01H 1/00
Measuring mechanical properties	G01M
Measuring electrical properties on dynamo-electric machines in general	G01R 31/34
Coil manufacture	H01F 41/02
Manufacturing of current collectors in general	H01R 43/00

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

### Special rules of classification

Documents referring to manufacturing methods are classified in [H02K 15/00](#) and subgroups only if they disclose "real" methods, i.e. disclose relevant information about the manufacturing aspects. Documents describing or formally claiming a method, which in fact only consists in the reformulation of a product claim, without any relevant manufacturing information, are NOT classified in [H02K 15/00](#).

In general, measuring electric properties on dynamoelectric machines is classified only in [G01R 31/34](#) and not in [H02K](#), however:

- the structural association of a dynamo-electric machine with measuring devices which are constantly mounted in the machine are classified: in [H02K 11/00](#), [H02K 17/30](#), [H02K 19/36](#), [H02K 23/66](#), [H02K 27/28](#);
- the structural association with devices which are temporarily mounted to the machine during tests/manufacturing, etc. is classified in [H02K 15/00](#) or in its specific subgroups.

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Methods or apparatus not specific to a process covered by a subgroup, e.g. cleaning in general, moving, transporting, storing of electric machines or components thereof (including production lines and pallets) between different working stations are classified in [H02K 15/00](#).

**H02K 15/026****References**

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:*

Magnetic cores	<a href="#">H02K 15/021</a>
----------------	-----------------------------

**H02K 15/03****References**

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:*

Manufacturing of coils and permanent magnets manufacture in general, e.g. moulding or pressing magnets; Surface treatment of magnets for protection against environmental influences	<a href="#">H01F 41/02</a>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------

**H02K 15/04****References**

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

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**Limiting references***This place does not cover:*

Applying solid insulation to windings, stators or rotors	<a href="#">H02K 15/10</a>
Impregnating, heating or drying of windings, stators, rotors or machines	<a href="#">H02K 15/12</a>

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:*

Apparatus or processes specially adapted for manufacturing cores, coils or magnets	<a href="#">H01F 41/02</a>
------------------------------------------------------------------------------------	----------------------------

Replace: The existing Glossary of terms table with the following updated table.**Glossary of terms***In this place, the following terms or expressions are used with the meaning indicated:*

loop windings	refers to windings whose turns are wound concentrically
lap windings	refers to windings consisting of partially overlapping loops, wherein each loop consists of a single turn or of a plurality of concentrically wound turns



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## H02K 15/064

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

### Informative references

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

Windings consisting of complete sections	<a href="#">H02K 15/065</a>
------------------------------------------	-----------------------------

## H02K 15/065

### References

Delete: The entire References/Limiting references section.

## H02K 15/068

Delete: The entire Definition statement.

Replace: The existing Glossary of terms table with the following updated table.

### Glossary of terms

*In this place, the following terms or expressions are used with the meaning indicated:*

stripper	inserter having a winding supporting head with a diameter corresponding to the inner diameter of the magnetic core
----------	--------------------------------------------------------------------------------------------------------------------

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**H02K 15/12**

**References**

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:*

Making articles of indefinite length by incorporating preformed parts	B29C 39/18
Injection moulding	B29C 45/00

**H02K 15/165**

**References**

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:*

Balancing means for handling mechanical energy structurally associated with dynamo-electric machines	H02K 7/04
Balancing in general	G01M

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2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H02K15/0006			Delete entire definition
H02K15/0012			Delete entire definition
H02K15/0025			Delete entire definition
H02K15/0031			Delete entire definition
H02K15/0037			Delete entire definition
H02K15/0043			Delete entire definition
H02K15/0056			Delete entire definition
H02K15/0062			Delete entire definition
H02K15/0068			Delete entire definition
H02K15/0081			Delete entire definition
H02K15/0442			Delete entire definition
H02K15/0464			Delete entire definition
H02K15/0478			Delete entire definition

**Notes:**

Use this Definitions Quick Fix (DQF) table to:

- Delete an entire definition
- Delete an entire section
- Change a reference symbol
- Delete a reference symbol
- Delete text in a References section
- Correct one error in spelling, article use, or verb tense

Otherwise, use the standard template.

*Reminder: Never delete F symbol definitions.*

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3. REVISION CONCORDANCE LIST (RCL)

<b>Type*</b>	<b>From CPC Symbol (existing)</b>	<b>To CPC Symbol(s)</b>
C	H02K 15/00	H02K 15/00, H02K 15/40, H02K 15/50, H02K 15/60, H02K 15/70, H02K 15/80, H02K 15/90, H02K 15/95
D	H02K 15/0006	<administrative transfer to H02K 15/50>
D	H02K 15/0012	<administrative transfer to H02K 15/023>
D	H02K 15/0018	<administrative transfer to H02K 15/13>
D	H02K 15/0025	<administrative transfer to H02K 15/20>
D	H02K 15/0031	<administrative transfer to H02K 15/22>
D	H02K 15/0037	<administrative transfer to H02K 15/24>
D	H02K 15/0043	<administrative transfer to H02K 15/26>
D	H02K 15/005	<administrative transfer to H02K 15/28>
D	H02K 15/0056	<administrative transfer to H02K 15/30>
D	H02K 15/0062	<administrative transfer to H02K 15/32>
D	H02K 15/0068	<administrative transfer to H02K 15/33>
D	H02K 15/0081	<administrative transfer to H02K 15/35>
D	H02K 15/0087	<administrative transfer to H02K 15/36>
D	H02K 15/0093	<administrative transfer to H02K 15/38>
C	H02K 15/02	H02K 15/02, H02K 15/021, H02K 15/025, H02K 15/026, H02K 15/027, H02K 15/0273, H02K 15/0275, H02K 15/0278, H02K 15/028
C	H02K 15/022	H02K 15/022, H02K 15/0225, H02K 15/026, H02K 15/028
D	H02K 15/024	<administrative transfer to H02K 15/021>
C	H02K 15/03	H02K 15/03, H02K 15/035, H02K 15/038
C	H02K 15/04	H02K 15/04, H02K 15/043, H02K 15/044, H02K 15/046, H02K 15/047, H02K 15/048
Q	H02K 15/043	H02K 15/043, H02K 15/0431, H02K 15/0432, H02K 15/0433, H02K 15/0434, H02K 15/044, H02K 15/046, H02K 15/047
Q	H02K 15/0431	H02K 15/0431, H02K 15/0432, H02K 15/046, H02K 15/047
Q	H02K 15/0432	H02K 15/0431, H02K 15/0432, H02K 15/046, H02K 15/047
Q	H02K 15/0433	H02K 15/0433, H02K 15/048
D	H02K 15/0435	<administrative transfer to H02K 15/043>
D	H02K 15/0442	<administrative transfer to H02K 15/0431>
D	H02K 15/045	<administrative transfer to H02K 15/0431>
D	H02K 15/0464	<administrative transfer to H02K 15/0432>
D	H02K 15/0471	<administrative transfer to H02K 15/0432>
D	H02K 15/0478	<administrative transfer to H02K 15/0433>
C	H02K 15/0485	H02K 15/0434, H02K 15/0485
D	H02K 15/0492	<administrative transfer to H02K 15/043>
F	H02K 15/063	H02K 15/0643, H02K 15/0646, H02K 15/065, H02K 15/066, H02K 15/067, H02K 15/068
C	H02K 15/064	H02K 15/064, H02K 15/0643, H02K 15/0646
C	H02K 15/10	H02K 15/10, H02K 15/104, H02K 15/106, H02K 15/108
F	H02K 15/105	H02K 15/10, H02K 15/104, H02K 15/106, H02K 15/108
C	H02K 15/12	H02K 15/12, H02K 15/121, H02K 15/122, H02K 15/123
C	H02K 15/14	H02K 15/14, H02K 15/142, H02K 15/144, H02K 15/146, H02K 15/148
Q	H02K 15/30	H02K 15/30, H02K 15/34
Q	H02K 15/33	H02K 15/33, H02K 15/34

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\* 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)

<b>CPC</b>	<b>IPC</b>	<b>Action*</b>
H02K 15/0006		DELETE
H02K 15/0012		DELETE
H02K 15/0018		DELETE
H02K 15/0025		DELETE
H02K 15/0031		DELETE
H02K 15/0037		DELETE
H02K 15/0043		DELETE
H02K 15/005		DELETE
H02K 15/0056		DELETE
H02K 15/0062		DELETE
H02K 15/0068		DELETE
H02K 15/0081		DELETE
H02K 15/0087		DELETE
H02K 15/0093		DELETE
H02K 15/021	H02K 15/021	NEW
H02K 15/022	H02K 15/022	UPDATE
H02K 15/0225	H02K 15/0225	NEW
H02K 15/023	H02K 15/023	NEW
H02K 15/024		DELETE
H02K 15/025	H02K 15/025	NEW
H02K 15/026	H02K 15/026	UPDATE
H02K 15/027	H02K 15/027	NEW
H02K 15/0273	H02K 15/0273	NEW
H02K 15/0275	H02K 15/0275	NEW
H02K 15/0278	H02K 15/0278	NEW
H02K 15/028	H02K 15/028	UPDATE
H02K 15/035	H02K 15/035	NEW
H02K 15/038	H02K 15/038	NEW
H02K 15/0407	H02K 15/0407	UPDATE
H02K 15/0414	H02K 15/0414	UPDATE
H02K 15/0421	H02K 15/0421	UPDATE
H02K 15/0428	H02K 15/0428	UPDATE
H02K 15/043	H02K 15/043	NEW
H02K 15/0431	H02K 15/043	NEW
H02K 15/0432	H02K 15/043	NEW
H02K 15/0433	H02K 15/043	NEW
H02K 15/0434	H02K 15/043	NEW
H02K 15/0435		DELETE
H02K 15/044	H02K 15/044	NEW
H02K 15/0442		DELETE
H02K 15/045		DELETE
H02K 15/046	H02K 15/046	NEW

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<b><u>CPC</u></b>	<b><u>IPC</u></b>	<b><u>Action*</u></b>
H02K 15/0464		DELETE
H02K 15/047	H02K 15/047	NEW
H02K 15/0471		DELETE
H02K 15/0478		DELETE
H02K 15/048	H02K 15/048	NEW
H02K 15/0485	H02K 15/048	UPDATE
H02K 15/0492		DELETE
H02K 15/061	H02K 15/061	UPDATE
H02K 15/062	H02K 15/062	UPDATE
H02K 15/063	H02K 15/062	UPDATE
H02K 15/064	H02K 15/064	UPDATE
H02K 15/0643	H02K 15/0643	NEW
H02K 15/0646	H02K 15/0646	NEW
H02K 15/065	H02K 15/065	UPDATE
H02K 15/066	H02K 15/066	UPDATE
H02K 15/067	H02K 15/067	UPDATE
H02K 15/068	H02K 15/068	UPDATE
H02K 15/104	H02K 15/104	NEW
H02K 15/106	H02K 15/106	NEW
H02K 15/108	H02K 15/108	NEW
H02K 15/121	H02K 15/121	NEW
H02K 15/122	H02K 15/122	NEW
H02K 15/123	H02K 15/123	NEW
H02K 15/125	H02K 15/125	UPDATE
H02K 15/13	H02K 15/13	NEW
H02K 15/142	H02K 15/142	NEW
H02K 15/144	H02K 15/144	NEW
H02K 15/146	H02K 15/146	NEW
H02K 15/148	H02K 15/148	NEW
H02K 15/165	H02K 15/165	UPDATE
H02K 15/20	H02K 15/20	NEW
H02K 15/22	H02K 15/22	NEW
H02K 15/24	H02K 15/24	NEW
H02K 15/26	H02K 15/26	NEW
H02K 15/28	H02K 15/28	NEW
H02K 15/30	H02K 15/30	NEW
H02K 15/32	H02K 15/32	NEW
H02K 15/33	H02K 15/33	NEW
H02K 15/34	H02K 15/34	NEW
H02K 15/35	H02K 15/35	NEW
H02K 15/36	H02K 15/36	NEW
H02K 15/38	H02K 15/38	NEW
H02K 15/40	H02K 15/40	NEW
H02K 15/50	H02K 15/50	NEW
H02K 15/60	H02K 15/60	NEW

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<b>CPC</b>	<b>IPC</b>	<b>Action*</b>
H02K 15/70	H02K 15/70	NEW
H02K 15/80	H02K 15/80	NEW
H02K 15/90	H02K 15/90	NEW
H02K 15/95	H02K 15/95	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.



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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>
B21F 7/00	H02K 15/0025	Informative references	H02K 15/20
B21C 47/00	H02K 15/00	Informative references	H02K 15/0414

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.