EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 164

DATE: FEBRUARY 1, 2016

PROJECT RP0294

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

Action	Subclass	Group(s)
Symbols deleted:	H02P	5/483
	H02P	5/486
	H02P	5/503
	H02P	5/506
	H02P	5/523
	H02P	5/526
	H02P	6/001
	H02P	6/002
	H02P	6/003
	H02P	6/008
	H02P	6/142
	H02P	6/145
	H02P	6/147
	H02P	6/165
	H02P	6/205
	H02P	7/0038
	H02P	7/0044
	H02P	7/0066
	H02P	7/2906
	H02P	7/2925
	H02P	7/346
	H02P	21/0032
	H02P	21/0035
	H02P	21/0039
	H02P	21/0042
	H02P	21/0046
	H02P	21/005
	H02P	21/0053
	H02P	21/0092
	H02P	21/0096
	H02P	21/085
	H02P	21/145
	H02P	21/146
	H02P	21/148
	H02P	23/0036
	H02P	23/004
	H02P	23/0045
	H02P	23/005
	H02P	23/0054
	H02P	23/0059
	H02P	23/0063
	H02P	23/0068
	H02P	23/0072

Action	Subclass	Group(s)
	H02P	23/0081
	H02P	23/0095
	H02P	23/065
	H02P	25/021
	H02P	25/023
	H02P	25/025
	H02P	25/027
	H02P	25/081
	H02P	25/082
	H02P	25/085
	H02P	25/087
	H02P	25/088
	H02P	27/023
	H02P	27/042
	H02P	29/021
	H02P	29/022
	H02P	29/023
Symbols newly created:	H02P	5/485
	H02P	5/49
	H02P	5/505
	H02P	5/51
	H02P	5/54
	H02P	5/56
	H02P	6/15
	H02P	6/153
	H02P	6/157
	H02P	6/17
	H02P	6/21
	H02P	6/26
	H02P	6/28
	H02P	6/30
	H02P	6/32
	H02P	6/34
	H02P	7/02
	H02P	7/025
	H02P	7/03
	H02P	7/04
	H02P	7/05
	H02P	7/291
	H02P	7/293
	H02P	7/347
	H02P	21/09
	H02P	21/16
	H02P	21/18
	H02P	21/20
	H02P	21/22
	H02P	21/24
	H02P	21/26

Action	Subclass	Group(s)
	H02P	21/28
	H02P	21/30
	H02P	21/32
	H02P	21/34
	H02P	21/36
	H02P	21/50
	H02P	23/07
	H02P	23/16
	H02P	23/18
	H02P	23/183
	H02P	23/186
	H02P	23/20
	H02P	23/22
	H02P	23/24
	H02P	23/26
	H02P	23/28
	H02P	23/30
	H02P	25/024
	H02P	25/03
	H02P	25/032
	H02P	25/034
	H02P	25/062
	H02P	25/064
	H02P	25/066
	H02P	25/0805
	H02P	25/089
	H02P	25/092
	H02P	25/0925
	H02P	25/098
	H02P	27/024
	H02P	27/048
	H02P	29/0241
	H02P	29/0243
	H02P	29/032
	H02P	29/10
	H02P	29/20
	H02P	29/40
	H02P	29/50
	H02P	29/60
	H02P	29/62
	H02P	29/64
	H02P	29/66
	H02P	29/68
Title wording change:	H02P	4/00
	H02P	5/00
	H02P	5/52
	H02P	6/00
	H02P	6/04

Action	Subclass	Group(s)
	H02P	6/08
	H02P	6/10
	H02P	6/16
	H02P	6/18
	H02P	6/182
	H02P	6/185
	H02P	6/20
	H02P	6/22
	H02P	7/00
	H02P	7/281
	H02P	7/292
	H02P	7/343
	H02P	21/04
	H02P	21/06
	H02P	21/08
	H02P	21/10
	H02P	21/12
	H02P	21/14
	H02P	23/00
	H02P	23/0004
	H02P	25/00
	H02P	25/022
	H02P	25/026
	H02P	25/028
	H02P	25/083
	H02P	25/086
	H02P	27/00
	H02P	27/05
	H02P	27/12
	H02P	29/00
	H02P	29/02
	H02P	29/024
	H02P	29/026
	H02P	29/028
Indent change:	H02P	6/10
	H02P	6/22
	H02P	25/022
	H02P	25/026
	H02P	25/028
	H02P	25/083
	H02P	25/086
	H02P	29/024
	H02P	29/028
Modified/Deleted Definitions:	H02P	5/483 (delete)
	H02P	5/503 (delete)
	H02P	5/506 (delete)
	H02P	6/00 (modify)

Action	Subclass	Group(s)
	H02P	6/002 (delete)
	H02P	6/003 (delete)
	H02P	6/08 (modify)
	H02P	6/10 (modify)
	H02P	6/142 (delete)
	H02P	6/16 (modify)
	H02P	6/205 (delete)
	H02P	7/2906 (delete)
	H02P	7/2925 (delete)
	H02P	11/00 (modify)
	H02P	21/0053 (delete)
	H02P	21/04 (modify)
	H02P	21/145 (delete)
	H02P	23/0036 (delete)
	H02P	23/004 (delete)
	H02P	23/0045 (delete)
	H02P	23/005 (delete)
	H02P	23/0054 (delete)
	H02P	23/0059 (delete)
	H02P	23/0081 (delete)
	H02P	25/023 (delete)
	H02P	25/083 (modify)
	H02P	25/088 (delete)
	H02P	27/12 (modify)
	H02P	29/0038 (modify)
Scheme Warning Notices to be added:	H02P	5/00
	H02P	6/00
	H02P	6/04
	H02P	6/08
	H02P	6/10
	H02P	6/32
	H02P	7/00
	H02P	7/02
	H02P	7/025
	H02P	7/343
	H02P	7/347
	H02P	8/40
	H02P	25/022
	H02P	25/024
	H02P	25/026
	H02P	25/028
	H02P	25/03
	H02P	25/034
	H02P	25/06
	H02P	25/062
	H02P	25/064
	H02P	25/066

Action	Subclass	Group(s)	
	H02P	25/083	
	H02P	25/086	
	H02P	25/089	
	H02P	25/0925	
	H02P	29/00	
	H02P	29/024	
	H02P	29/0241	
	H02P	29/028	
	H02P	29/032	
	H02P	29/10	
	H02P	29/20	
	H02P	29/40	
	H02P	29/50	
	H02P	29/60	
	H02P	29/62	
	H02P	29/64	
	H02P	29/66	
	H02P	29/68	
Scheme Notes to be added/modified/deleted:	H02P	6/00	(modified)
	H02P	7/28	(deleted)
	H02P	7/281	(added)
	H02P	7/2815	(deleted)
	H02P	21/00	(modified)
	H02P	23/00	(modified)
	H02P	25/00	(modified)
	H02P	27/00	(modified)

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

This Notice of Changes includes the following *[Check the ones included]:*

1.   CLASSIFICATION SCHEME CHANGES
        ☒ A. New, Modified or Deleted Group(s)

        ☒ B. New, Modified or Deleted Warning 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)

1.   CLASSIFICATION SCHEME CHANGES

    A.   New, Modified or Deleted Group(s)

**SUBCLASS H02P– CONTROL OR REGULATION OF ELECTRIC MOTORS, ELECTRIC
GENERATORS OR DYNAMO-ELECTRIC CONVERTERS; CONTROLLING TRANSFORMERS,
REACTORS OR CHOKE COILS**

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#
U	H02P3/26	3	by combined electrical and mechanical braking	
M	H02P4/00	0	Arrangements specially adapted for regulating or controlling the speed or torque of electric motors that can be connected to two or more different electric power supplies (vector control H02P21/00)	
C	H02P5/00	0	Arrangements specially adapted for regulating or controlling the speed or torque of two or more electric motors (H02P6/04, H02P8/40 take precedence)	H02P5/00 H02P6/04 H02P8/40
U	H02P5/48	2	by comparing mechanical values representing the speeds	
D	H02P5/483	3	{using differential movement}	<administrative transfer to H02P5/485>
N	H02P5/485	3	using differential movement of the two motors, e.g. using differential gearboxes	
D	H02P5/486	3	{by intermittently closing or opening electrical contacts}	<administrative transfer to H02P5/49>
N	H02P5/49	3	by intermittently closing or opening electrical contacts	
U	H02P5/50	2	by comparing electrical values representing the speeds	
D	H02P5/503	3	{using equalising lines}	<administrative transfer to H02P5/505>
N	H02P5/505	3	using equalising lines, e.g. rotor and stator lines of first and second motors	
D	H02P5/506	3	{Direct ratio control}	<administrative transfer to H02P5/51>
N	H02P5/51	3	Direct ratio control	
M	H02P5/52	2	additionally providing control of relative angular displacement	
D	H02P5/523	3	{Speed and position comparison by mechanical means}	<administrative transfer to H02P5/54>
D	H02P5/526		{Speed and position comparison by mechanical means}	<administrative transfer to H02P5/56>

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	H02P5/54	3	Speed and position comparison between the motors by mechanical means	
N	H02P5/56	3	Speed and position comparison between the motors by electrical means	
C	H02P6/00	0	Arrangements for controlling synchronous motors or other dynamo-electric motors using electronic commutation dependent on the rotor position; Electronic commutators therefor (vector control H02P21/00)	H02P6/00 H02P6/32
D	H02P6/001	1	{Details, e.g. modelling, simulation, comparisons, control principles in general}	<administrative transfer to H02P6/34>
D	H02P6/002	1	{Arrangements for controlling current (H02P6/10 takes precedence)}	<administrative transfer to H02P6/28>
D	H02P6/003	1	{Controlling the direction of rotation}	<administrative transfer to H02P6/30>
D	H02P6/008	1	{Controlling single phase motors}	<administrative transfer to H02P6/26>
C	H02P6/04	1	Arrangements for controlling or regulating the speed or torque of more than one motor (H02P6/10 takes precedence)	H02P6/04 H02P6/10
C	H02P6/08	1	Arrangements for controlling the speed or torque of a single motor (H02P6/10, H02P6/28 take precedence)	H02P6/08 H02P6/10
E	H02P6/10	1	Arrangements for controlling torque ripple, e.g. providing reduced torque ripple	
U	H02P6/14	1	Electronic commutators	
D	H02P6/142	2	{Changing commutation time}	<administrative transfer to H02P6/15>
D	H02P6/145	3	{wherein the commutation is advanced from position signals phase in function of the speed}	<administrative transfer to H02P6/153>
D	H02P6/147	3	{wherein the commutation is function of electro magnetic force [EMF]}	<administrative transfer to H02P6/157>
N	H02P6/15	2	Controlling commutation time	
N	H02P6/153	3	{wherein the commutation is advanced from position signals phase in function of the speed}	
N	H02P6/157	3	{wherein the commutation is function of electro-magnetic force [EMF]}	
M	H02P6/16	2	Circuit arrangements for detecting position	
D	H02P6/165	3	{and generating speed information}	<administrative transfer to H02P6/17>
N	H02P6/17	3	and for generating speed information	
M	H02P6/18	3	without separate position detecting elements	
M	H02P6/182	4	using back-emf in windings	
M	H02P6/185	4	using inductance sensing, e.g. pulse excitation	

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	H02P6/20	1	Arrangements for starting (H02P6/08 takes precedence)	
D	H02P6/205	2	{Open loop start}	<administrative transfer to H02P6/21>
N	H02P6/21	2	Open loop start	
M	H02P6/22	2	in a selected direction of rotation	
U	H02P6/24	1	Arrangements for stopping	
N	H02P6/26	1	Arrangements for controlling single phase motors	
N	H02P6/28	1	Arrangements for controlling current (H02P6/10 takes precedence)	
N	H02P6/30	1	Arrangements for controlling the direction of rotation (H02P6/22 takes precedence)	
N	H02P6/32	1	Arrangements for controlling wound field motors, e.g. motors with exciter coils	
N	H02P6/34	1	Modelling or simulation for control purposes	
C	H02P7/00	0	Arrangements for regulating or controlling the speed or torque of electric DC motors	H02P7/00 H02P7/02 H02P7/025
D	H02P7/0038	1	{Controlling the direction of rotation of DC motors}	<administrative transfer to H02P7/03>
D	H02P7/0044	2	{by means of a H-bridge circuit}	<administrative transfer to H02P7/04>
D	H02P7/0066	2	{by means of electronic switching}	<administrative transfer to H02P7/05>
U	H02P7/0094	1	{wherein the position is detected using the ripple of the current caused by the commutator}	
N	H02P7/02	1	the DC motors being of the linear type	
N	H02P7/025	2	the DC motors being of the moving coil type, e.g. voice coil motors	
N	H02P7/03	1	for controlling the direction of rotation of DC motors	
N	H02P7/04	2	{by means of a H-bridge circuit}	
N	H02P7/05	2	{by means of electronic switching}	
U	H02P7/28	4	using semiconductor devices	
M	H02P7/281	5	the DC motor being operated in four quadrants	
U	H02P7/29	6	using pulse modulation	
D	H02P7/2906	7	{with on-off control between two set points}	<administrative transfer to H02P7/291>
N	H02P7/291	7	with on-off control between two set points, e.g. controlling by hysteresis	
M	H02P7/292	6	using static converters, e.g. AC to DC	
D	H02P7/2925	7	{using phase control (H02P7/295 takes precedence)}	<administrative transfer to H02P7/293>

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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	H02P7/293	7	using phase control (H02P7/295 takes precedence)	
U	H02P7/34	3	using Ward-Leonard arrangements	
-	-	-	-	Document families currently classified in H02P7/343 should transfer first to new group H02P7/347 prior to transferring documents from H02P7/346 to H02P7/343.
C	H02P7/343	4	in which both generator and motor fields are controlled	<administrative transfer to H02P7/347>
D	H02P7/346	4	{in which both generator and motor fields are controlled}	<administrative transfer to H02P7/343>
N	H02P7/347	4	in which only the generator field is controlled	
U	H02P8/00	0	Arrangements for controlling dynamo-electric motors of the kind having motors rotating step by step (vector control H02P21/00)	
E	H02P8/40	1	Special adaptations for controlling two or more stepping motors	
U	H02P21/00	0	Arrangements or methods for the control of electric machines by vector control, e.g. by control of field orientation	
D	H02P21/0032	1	{Arrangements for starting}	<administrative transfer to H02P21/34>
D	H02P21/0035	1	{Current control}	<administrative transfer to H02P21/22>
D	H02P21/0039	1	{not involving the use of rotor position or speed sensors}	<administrative transfer to H02P21/24>
D	H02P21/0042	2	{Rotor flux based control}	<administrative transfer to H02P21/26>
D	H02P21/0046	2	{Stator flux based control}	<administrative transfer to H02P21/28>
D	H02P21/005	3	{Direct torque control [DTC] or field acceleration method [FAM]}	<administrative transfer to H02P21/30>
D	H02P21/0053	2	{Determining the initial rotor position (arrangements for starting H02P21/0032; position detection in general H02P6/16-H02P6/185)}	<administrative transfer to H02P21/32>
D	H02P21/0092	1	{Arrangements for braking or slowing; Four quadrants control}	<administrative transfer to H02P21/36>
D	H02P21/0096	1	{Vector control arrangements or methods not otherwise provided for in H02P21/00-H02P21/148}	<administrative transfer to H02P21/50>
M	H02P21/04	1	specially adapted for very low speeds	
M	H02P21/06	1	Rotor flux based control involving the use of rotor position or rotor speed sensors	

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	H02P21/08	2	Indirect field-oriented control; Rotor flux feed-forward control	
D	H02P21/085	3	{specially adapted for high speeds, e.g. above nominal speed}	<administrative transfer to H02P21/09>
N	H02P21/09	3	Field phase angle calculation based on rotor voltage equation by adding slip frequency and speed proportional frequency	
M	H02P21/10	2	Direct field-oriented control; Rotor flux feed-back control	
M	H02P21/12	1	Stator flux based control involving the use of rotor position or rotor speed sensors	
M	H02P21/14	1	Estimation or adaptation of machine parameters, e.g. flux, current or voltage	
D	H02P21/145	2	{constants estimation, e.g. of the rotor time constant}	<administrative transfer to H02P21/16>
D	H02P21/146	2	{Position or speed estimation}	<administrative transfer to H02P21/18>
D	H02P21/148	2	{Torque estimation}	<administrative transfer to H02P21/20>
U	H02P21/143	2	{Inertia or moment of inertia estimation}	
N	H02P21/16	2	Estimation of constants, e.g. the rotor time constant	
N	H02P21/18	2	Estimation of position or speed	
N	H02P21/20	2	Estimation of torque	
N	H02P21/22	1	Current control, e.g. using a current control loop	
N	H02P21/24	1	Vector control not involving the use of rotor position or rotor speed sensors	
N	H02P21/26	2	Rotor flux based control	
N	H02P21/28	2	Stator flux based control	
N	H02P21/30	3	Direct torque control [DTC] or field acceleration method [FAM]	
N	H02P21/32	2	Determining the initial rotor position (H02P21/34 takes precedence)	
N	H02P21/34	1	Arrangements for starting	
N	H02P21/36	1	Arrangements for braking or slowing; Four quadrant control	
N	H02P21/50	1	{Vector control arrangements or methods not otherwise provided for in H02P21/00-H02P21/36}	
M	H02P23/00	0	Arrangements or methods for the control of AC motors characterised by a control method other than vector control	
E	H02P23/0004	1	{Control strategies in general, e.g. linear type e.g. P, PI, PID, using robust control}	
D	H02P23/0036	1	{Control strategies related to the functioning of the motor}	<administrative transfer to H02P23/0004>

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	H02P23/004	2	{Direct torque control [DTC]; Field acceleration method [FAM]}	<administrative transfer to H02P23/30>
D	H02P23/0045	1	{Control of angular speed of one shaft by controlling the prime mover (H02P23/005 takes precedence)}	<administrative transfer to H02P23/16>
D	H02P23/005	1	{Control of angular speed together with angular position or phase}	<administrative transfer to H02P23/18>
D	H02P23/0054	2	{of one shaft without controlling the prime mover}	<administrative transfer to H02P23/183>
D	H02P23/0059	2	{of one shaft by controlling the prime mover}	<administrative transfer to H02P23/186>
D	H02P23/0063	1	{Control of acceleration or deceleration}	<administrative transfer to H02P23/20>
D	H02P23/0068	1	{Digital speed control using a reference oscillator, a speed proportional pulse rate feedback and a digital comparator}	<administrative transfer to H02P23/22>
D	H02P23/0072	1	{Controlling the direction, e.g. clockwise - counterclockwise}	<administrative transfer to H02P23/24>
D	H02P23/0081	1	{Power Factor Control}	<administrative transfer to H02P23/26>
D	H02P23/0095	1	{controlled by the switch frequency of the switches connected to a DC supply and the motor phases}	<administrative transfer to H02P23/28>
U	H02P23/06	1	Controlling the motor in four quadrants	
D	H02P23/065	2	{Polyphase or monophase asynchronous induction motors}	<administrative transfer to H02P23/07>
N	H02P23/07	2	Polyphase or monophase asynchronous induction motors	
U	H02P23/14	1	Estimation or adaptation of motor parameters, e.g. rotor time constant, flux, speed, current or voltage	
N	H02P23/16	1	Controlling the angular speed of one shaft (H02P23/18 takes precedence)	
N	H02P23/18	1	Controlling the angular speed together with angular position or phase	
N	H02P23/183	2	{of one shaft without controlling the prime mover}	
N	H02P23/186	2	{of one shaft by controlling the prime mover}	
N	H02P23/20	1	Controlling the acceleration or deceleration	
N	H02P23/22	1	Controlling the speed digitally using a reference oscillator, a speed proportional pulse rate feedback and a digital comparator	
N	H02P23/24	1	Controlling the direction, e.g. clockwise or counterclockwise	
N	H02P23/26	1	Power factor control [PFC]	

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	H02P23/28	1	Controlling the motor by varying the switching frequency of switches connected to a DC supply and the motor phases	
N	H02P23/30	1	Direct torque control [DTC] or field acceleration method [FAM]	
M	H02P25/00	0	Arrangements or methods for the control of AC motors characterised by the kind of AC motor or by structural details	
U	H02P25/02	1	characterised by the kind of motor	
-	-	-	-	Document families currently classified in H02P25/022 should transfer first to new group H02P25/024 prior to transferring documents from H02P25/021 to H02P25/022.
D	H02P25/021	2	{Synchronous motors}	<administrative transfer to H02P25/022>
C	H02P25/022	2	Synchronous motors (H02P25/064 takes precedence)	<administrative transfer to H02P25/024>
-	-	-	-	Document families currently classified in H02P25/026 should transfer first to new group H02P25/03 prior to transferring documents from H02P25/023 to H02P25/026.
D	H02P25/023	4	{thereby detecting the rotor position}	<administrative transfer to H02P25/026>
N	H02P25/024	3	controlled by supply frequency	
-	-	-	-	Document families currently classified in H02P25/028 should transfer first to new group H02P25/034 prior to transferring documents from H02P25/025 to H02P25/028.
D	H02P25/025	3	{Four quadrant control}	<administrative transfer to H02P25/028>
C	H02P25/026	4	thereby detecting the rotor position	<administrative transfer to H02P25/03>
D	H02P25/027	2	{Control of reciprocating, oscillating or vibrating motors (Note: see also H01F)}	<administrative transfer to H02P25/032>
C	H02P25/028	3	with four quadrant control	<administrative transfer to H02P25/034>
N	H02P25/03	3	with brushless excitation	
N	H02P25/032	2	Reciprocating, oscillating or vibrating motors	
N	H02P25/034	3	Voice coil motors (voice coil motors driven by DC power H02P7/025)	

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#
C	H02P25/06	2	Linear motors	H02P25/06, H02P25/062, H02P25/064, H02P25/066
N	H02P25/062	3	of the induction type	
N	H02P25/064	3	of the synchronous type	
N	H02P25/066	4	of the stepping type	
U	H02P25/08	2	Reluctance motors	
N	H02P25/0805	3	{whereby the speed is regulated by measuring the motor speed and comparing it with a given physical value}	
-	-	-	-	Document families currently classified in H02P25/083 should transfer first to new group H02P25/089 prior to transferring documents from H02P25/081 to H02P25/083.
D	H02P25/081	3	{Modifications for increasing the switching speed from one coil to the next one}	<administrative transfer to H02P25/083>
-	-	-	-	Document families currently classified in H02P25/086 should transfer first to new group H02P25/0925 prior to transferring documents from H02P25/082 to H02P25/086.
D	H02P25/082	3	{Commutation}	<administrative transfer to H02P25/086>
C	H02P25/083	3	Arrangements for increasing the switching speed from one coil to the next one	<administrative transfer to H02P25/089>
D	H02P25/085	3	{Converters specially adapted for controlling reluctance motors}	<administrative transfer to H02P25/092>
C	H02P25/086	3	Commutation	<administrative transfer to H02P25/0925>
D	H02P25/087	3	{whereby the speed is regulated by measuring the motor speed and comparing it with a given physical value}	<administrative transfer to H02P25/0805>
D	H02P25/088	3	{Arrangements for reducing torque ripple}	<administrative transfer to H02P25/098>
N	H02P25/089	4	Sensorless control (direct torque control H02P23/30)	
N	H02P25/092	3	Converters specially adapted for controlling reluctance motors	
N	H02P25/0925	4	{wherein the converter comprises only one switch per phase}	
N	H02P25/098	3	Arrangements for reducing torque ripple	

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	H02P27/00	0	Arrangements or methods for the control of AC motors characterised by the kind of supply voltage (of two or more motors H02P5/00; of synchronous motors with electronic commutators H02P6/00; of DC motors H02P7/00; of stepping motors H02P8/00)	
U	H02P27/02	1	using supply voltage with constant frequency and variable amplitude	
D	H02P27/023	2	{wherein only rotor or only stator circuit is supplied with ac}	<administrative transfer to H02P27/024>
N	H02P27/024	2	using AC supply for only the rotor circuit or only the stator circuit	
U	H02P27/04	1	using variable-frequency supply voltage, e.g. inverter or converter supply voltage	
D	H02P27/042		{wherein only rotor or only stator circuit is supplied with ac}	<administrative transfer to H02P27/048>
U	H02P27/047	2	{V/F converter, wherein the voltage is controlled proportionally with the frequency}	
N	H02P27/048	2	using AC supply for only the rotor circuit or only the stator circuit	
M	H02P27/05	2	using AC supply for both the rotor and the stator circuits, the frequency of supply to at least one circuit being variable	
M	H02P27/12	4	pulsing by guiding the flux vector, current vector or voltage vector on a circle or a closed curve, e.g. for direct torque control	
C	H02P29/00	0	Arrangements for regulating or controlling electric motors, appropriate for both AC and DC motors (arrangements for starting electric motors H02P1/00; arrangements for stopping or slowing electric motors H02P3/00; control of motors that can be connected to two or more different electric power supplies H02P4/00; regulating or controlling the speed or torque of two or more electric motors H02P5/00; vector control H02P21/00)	H02P29/00 H02P29/10 H02P29/20 H02P29/40 H02P29/50 H02P29/60 H02P29/62 H02P29/64 H02P29/66 H02P29/68
M	H02P29/02	1	Providing protection against overload without automatic interruption of supply (protection against faults of stepper motors H02P8/36)	
-	-	-	-	Document families currently classified in H02P29/024 should transfer first to new group H02P25/0241 prior to transferring documents from H02P25/021 to H02P25/024.

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	H02P29/021	2	{Detecting a fault condition, e.g. short circuit, locked rotor, open circuit or loss of load}	<administrative transfer to H02P29/024>
-	-	-		Document families currently classified in H02P29/028 should transfer first to new group H02P25/032 prior to transferring documents from H02P25/022 to H02P25/028.
D	H02P29/022	3	{the motor continuing operation despite a fault condition, e.g. eliminating, compensating or remediating for the fault}	<administrative transfer to H02P29/028>
D	H02P29/023	3	{the fault being a broken phase}	<administrative transfer to H02P29/0243>
C	H02P29/024	2	Detecting a fault condition, e.g. short circuit, locked rotor, open circuit or loss of load	<administrative transfer to H02P29/0241>
N	H02P29/0241	3	{the fault being an overvoltage}	
N	H02P29/0243	3	{the fault being a broken phase}	
U	H02P29/025	3	{the fault being a power interruption}	
M	H02P29/026	3	{the fault being a power fluctuation}	
U	H02P29/027	3	{the fault being an over-current}	
C	H02P29/028	3	the motor continuing operation despite the fault condition, e.g. eliminating, compensating for or remedying the fault	<administrative transfer to H02P29/032>
N	H02P29/032	2	Preventing damage to the motor, e.g. setting individual current limits for different drive conditions	
U	H02P29/045	2	{whereby the speed is regulated by measuring the motor speed and comparing it with a given physical value}	
N	H02P29/10	1	for preventing overspeed or under speed	
N	H02P29/20	1	for controlling one motor used for different sequential operations	
N	H02P29/40	1	Regulating or controlling the amount of current drawn or delivered by the motor for controlling the mechanical load	
N	H02P29/50	1	Reduction of harmonics	
N	H02P29/60	1	Controlling or determining the temperature of the motor or of the drive (H02P29/02 takes precedence)	
N	H02P29/62	2	for raising the temperature of the motor	
N	H02P29/64	2	Controlling or determining the temperature of the winding	
N	H02P29/66	2	Controlling or determining the temperature of the rotor	
N	H02P29/68	2	based on the temperature of a drive component or a semiconductor component	

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*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 <u>subclasses</u>, 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} <u>are</u> 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 <u>must</u> 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".

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

SUBCLASS H02P– CONTROL OR REGULATION OF ELECTRIC MOTORS, ELECTRIC GENERATORS OR DYNAMO-ELECTRIC CONVERTERS; CONTROLLING TRANSFORMERS, REACTORS OR CHOKE COILS

Type*	Location	Old Warning notice	New/Modified Warning notice
N	H02P5/00		Group H02P5/00 is impacted by reclassification into groups H02P6/04, H02P8/40, H02P8/40. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02P6/00		Group H02P6/00 is impacted by reclassification into group H02P6/32. Groups H02P6/00 and H02P6/32 should be considered in order to perform a complete search.
N	H02P6/04		Group H02P6/04 is impacted by reclassification into group H02P6/10. Groups H02P6/04 and H02P6/10 should be considered in order to perform a complete search.
N	H02P6/08		Group H02P6/08 is impacted by reclassification into group H02P6/10. Groups H02P6/08 and H02P6/10 should be considered in order to perform a complete search.
N	H02P6/10		Group H02P6/10 is incomplete pending reclassification of documents from group H02P6/04 and group H02P6/08. Groups H02P6/04, H02P6/08 and H02P6/10 should be considered in order to perform a complete search.
N	H02P6/32		Group H02P6/32 is incomplete pending reclassification of documents from group H02P6/00. Groups H02P6/00 and H02P6/32 should be considered in order to perform a complete search.
N	H02P7/00		Group H02P7/00 is impacted by reclassification into groups H02P7/02, H02P7/025. Groups H02P7/00, H02P7/02, and H02P7/025 should be considered in order to perform a complete search.
N	H02P7/02		Group H02P7/02 is incomplete pending reclassification of documents from group H02P7/00. Groups H02P7/00 and H02P7/02 should be considered in order to perform a complete search.
N	H02P7/025		Group H02P7/025 is incomplete pending reclassification of documents from group H02P7/00. Groups H02P7/00 and H02P7/025 should be considered in order to perform a complete search.
N	H02P7/343		Group H02P7/343 is impacted by reclassification into group H02P7/347. Groups H02P7/343 and H02P7/347 should be considered in order to perform a complete search.

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Type*	Location	Old Warning notice	New/Modified Warning notice
N	H02P7/347		Group H02P7/347 is incomplete pending reclassification of documents from group H02P7/343. Groups H02P7/343 and H02P7/347 should be considered in order to perform a complete search.
N	H02P8/40		Group H02P8/40 is incomplete pending reclassification of documents from group H02P5/00. Groups H02P5/00 and H02P8/40 should be considered in order to perform a complete search.
N	H02P25/022		Group H02P25/022 is impacted by reclassification into group H02P25/024. Groups H02P25/022 and H02P25/024 should be considered in order to perform a complete search.
N	H02P25/024		Group H02P25/024 is incomplete pending reclassification of documents from group H02P25/022 Groups H02P25/022 and H02P25/024 should be considered in order to perform a complete search.
N	H02P25/026		Group H02P25/026 is impacted by reclassification into group H02P25/03. Groups H02P25/026 and H02P25/03 should be considered in order to perform a complete search.
N	H02P25/028		Group H02P25/028 is impacted by reclassification into group H02P25/034. Groups H02P25/028 and H02P25/034 should be considered in order to perform a complete search.
N	H02P25/03		Group H02P25/03 is incomplete pending reclassification of documents from group H02P25/026. Groups H02P25/026 and H02P25/03 should be considered in order to perform a complete search.
N	H02P25/034		Group H02P25/034 is incomplete pending reclassification of documents from group H02P25/028. Groups H02P25/028 and H02P25/034 should be considered in order to perform a complete search.
N	H02P25/06		Group H02P25/06 is impacted by reclassification into group H02P25/062, H02P25/064 and H02P25/066. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02P25/062		Group H02P25/062 is incomplete pending reclassification of documents from group H02P25/06.Groups H02P25/06 and H02P25/062 should be considered in order to perform a complete search.
N	H02P25/064		Group H02P25/064 is incomplete pending reclassification of documents from group H02P25/06.Groups H02P25/06 and H02P25/064 should be considered in order to perform a complete search.

Type*	Location	Old Warning notice	New/Modified Warning notice
N	H02P25/066		Group H02P25/066 is incomplete pending reclassification of documents from group H02P25/06. Groups H02P25/06 and H02P25/066 should be considered in order to perform a complete search.
N	H02P25/083		Group H02P25/083 is impacted by reclassification into group H02P25/089. Groups H02P25/083 and H02P25/089 should be considered in order to perform a complete search
N	H02P25/086		Group H02P25/086 is impacted by reclassification into group H02P25/0925. Groups H02P25/086 and H02P25/0925 should be considered in order to perform a complete search.
N	H02P25/089		Group H02P25/089 is incomplete pending reclassification of documents from group H02P25/083.Groups H02P25/083 and H02P25/089 should be considered in order to perform a complete search.
N	H02P25/0925		Group H02P25/0925 is incomplete pending reclassification of documents from group H02P25/086. Groups H02P25/086 and H02P25/0925 should be considered in order to perform a complete search.
N	H02P29/00		Group H02P29/00 is impacted by reclassification into groups H02P29/10, H02P29/20, H02P29/40, H02P29/50, H02P29/60, H02P29/62, H02P29/64, H02P29/66 and H02P29/68. All groups listed in this Warning should be considered in order to perform a complete search.
N	H02P29/024		Group H02P29/024 is impacted by reclassification into group H02P29/0241. Groups H02P29/024 and H02P29/0241 should be considered in order to perform a complete search.
N	H02P29/0241		Group H02P29/0241 is incomplete pending reclassification of documents from group H02P29/024. Groups H02P29/024 and H02P29/0241 should be considered in order to perform a complete search.
N	H02P29/028		Group H02P29/028 is impacted by reclassification into group H02P29/032. Groups H02P29/028 and H02P29/032 should be considered in order to perform a complete search.
N	H02P29/032		Group H02P29/032 is incomplete pending reclassification of documents from group H02P29/028. Groups H02P29/028 and H02P29/032 should be considered in order to perform a complete search.
N	H02P29/10		Group H02P29/10 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/10 should be considered in order to perform a complete search.

Type*	Location	Old Warning notice	New/Modified Warning notice
N	H02P29/20		Group H02P29/20 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/20 should be considered in order to perform a complete search.
N	H02P29/40		Group H02P29/40 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/40 should be considered in order to perform a complete search
N	H02P29/50		Group H02P29/50 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/50 should be considered in order to perform a complete search.
N	H02P29/60		Group H02P29/60 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/60 should be considered in order to perform a complete search.
N	H02P29/62		Group H02P29/62 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/62 should be considered in order to perform a complete search.
N	H02P29/64		Group H02P29/64 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/64 should be considered in order to perform a complete search.
N	H02P29/66		Group H02P29/66 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/66 should be considered in order to perform a complete search.
N	H02P29/68		Group H02P29/68 is incomplete pending reclassification of documents from group H02P29/00. Groups H02P29/00 and H02P29/68 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.

DATE: FEBRUARY 1, 2016

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C.   New, Modified or Deleted Note(s)

SUBCLASS H02P– CONTROL OR REGULATION OF ELECTRIC MOTORS, ELECTRIC GENERATORS OR DYNAMO-ELECTRIC CONVERTERS; CONTROLLING TRANSFORMERS, REACTORS OR CHOKE COILS

Type*	Location	Old Note	New/Modified Note
M	H02P6/00	Groups H02P6/006 and H02P6/008 take precedence over groups H02P6/001 to H02P6/005 and H02P6/04 to H02P6/24	Group H02P6/26 takes precedence over groups H02P6/04 – H02P6/24 and H02P6/28 – H02P6/34
D	H02P7/28	Group H02P7/281takes precedence over groups H02P7/282 to H02P7/298	-
N	H02P7/281	-	Group H02P7/281 takes precedence over groups H02P7/282 – H02P7/298.
D	H02P7/2815	Groups H02P7/2815 takes precedence over groups H02P7/2825, H02P7/2855	-
M	H02P21/00	**FIRST**, **delete** the following three existing notes: 1. Groups H02P21/06 to H02P21/12 cover vector control arrangements or methods involving the use of rotor position or speed sensors. 2. Vector control arrangements or methods not involving the use of rotor position or speed sensors are classified in groups H02P21/0039 and subgroups 3. When classifying in this group, it is desirable to also classify in groups H02P25/00 to H02P27/00 if the kind of AC motor, structural details or the kind of supply voltage are of interest.	**NEXT**, **add** the following two new notes (no need to number, multiple notes are automatically numbered) 1. When classifying in this group, classification should also be made in group H02P25/00 when the method of control is characterised by the kind of motor being controlled. 2. When classifying in this group, classification should also be made in group H02P27/00 when the method of control is characterised by the kind of supply voltage of the motor being controlled.
M	H02P23/00	When classifying in this group, it is desirable to also classify in groups H02P25/00 to H02P27/00 if the kind of AC motor, structural details, or the kind of supply voltage are of interest.	When classifying in this group, subject matter also relating to groups H02P21/00, H02P25/00 or H02P27/00 is further classified in those groups whenever appropriate.
M	H02P25/00	When classifying in this group, it is desirable to also classify in groups H02P21/00, H02P23/00 or H02P27/00 if the control method or the kind of supply voltage are of interest.	When classifying in this group, subject matter also relating to groups H02P21/00, H02P23/00 or H02P27/00 is further classified in those groups whenever appropriate.
M	H02P27/00	When classifying in this group, it is desirable to also classify in groups H02P21/00, H02P23/00 or H02P25/00 if the control method, the kind of AC motor or structural details are of interest.	When classifying in this group, subject matter also relating to groups H02P21/00, H02P23/00 or H02P25/00 is further classified in those groups whenever appropriate

*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.

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H02P5/483	-	-	Delete
H02P5/503	-	-	Delete
H02P5/506	-	-	Delete
H02P6/00	Informative references	H02P 25/021	H02P 25/022
H02P6/002	-	-	Delete
H02P6/003	-	-	Delete
H02P 6/08	References relevant to classification in this group	H02P 6/002	H02P 6/28
H02P 6/10	Informative references	H02P 6/142	H02P 6/15
H02P6/142	-	-	Delete
H02P 6/16	Informative references	H02P 25/023	H02P 25/026
H02P6/205	-	-	Delete
H02P7/2906	-	-	Delete
H02P7/2925	-	-	Delete
H02P11/00	References relevant to classification in this group	-	**Insert** under the existing symbol (H02P6/00): H02P6/32
H02P 21/0053	-	-	Delete
H02P 21/04	Informative references	H02P 21/0032	H02P 21/34
H02P 21/04	Informative references	H02P 21/0053	H02P 21/32
H02P 21/145	-	-	Delete
H02P 23/0036	-	-	Delete
H02P 23/004	-	-	Delete
H02P 23/0045	-	-	Delete
H02P 23/005	-	-	Delete
H02P 23/0054	-	-	Delete
H02P 23/0059	-	-	Delete
H02P 23/0081	-	-	Delete
H02P 25/023	-	-	Delete
H02P 25/083	Informative references	H02P 23/004	H02P 23/30
H02P 25/088	-	-	Delete
H02P 27/12	Informative references	H02P 23/004	H02P 23/30

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.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H02P5/00	H02P5/00 H02P6/04 H02P8/40
D	H02P5/483	<administrative transfer to H02Pto 5/48>
D	H02P5/486	<administrative transfer to H02P5/49>
D	H02P5/503	<administrative transfer to H02P5/505>
D	H02P5/506	<administrative transfer to H02P5/51>
D	H02P5/523	<administrative transfer to H02P5/54>
D	H02P5/526	<administrative transfer to H02P5/56>
C	H02P6/00	H02P6/00 H02P6/32
D	H02P6/001	<administrative transfer to H02P6/34>
D	H02P6/002	<administrative transfer to H02P6/28>
D	H02P6/003	<administrative transfer to H02P6/30>
D	H02P6/008	<administrative transfer to H02P6/26>
C	H02P6/04	H02P6/04, H02P6/10
C	H02P6/08	H02P6/08, H02P6/10
D	H02P6/142	<administrative transfer to H02P6/15>
D	H02P6/145	<administrative transfer to H02P6/153>
D	H02P6/147	<administrative transfer to H02P6/157>
D	H02P6/165	<administrative transfer to H02P6/17>
D	H02P6/205	<administrative transfer to H02P6/21>
C	H02P7/00	H02P7/00 H02P7/02 H02P7/025
D	H02P7/0038	<administrative transfer to H02P7/03>
D	H02P7/0044	<administrative transfer to H02P7/04>
D	H02P7/0066	<administrative transfer to H02P7/05>
D	H02P7/2906	<administrative transfer to H02P7/291>
D	H02P7/2925	<administrative transfer to H02P7/293>
-	-	Document families currently classified in H02P7/343 should transfer first to new group H02P7/347 prior to transferring documents from H02P7/346 to H02P7/343.
C	H02P7/343	<administrative transfer to H02P7/347>
D	H02P7/346	<administrative transfer to H02P7/343>
D	H02P21/0032	<administrative transfer to H02P21/34>
D	H02P21/0035	<administrative transfer to H02P21/22>
D	H02P21/0039	<administrative transfer to H02P21/24>
D	H02P21/0042	<administrative transfer to H02P21/26>
D	H02P21/0046	<administrative transfer to H02P21/28>
D	H02P21/005	<administrative transfer to H02P21/30>
D	H02P21/0053	<administrative transfer to H02P21/32>
D	H02P21/0092	<administrative transfer to H02P21/36>
D	H02P21/0096	<administrative transfer to H02P21/50>
D	H02P21/085	<administrative transfer to H02P21/09>
D	H02P21/145	<administrative transfer to H02P21/16>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H02P21/146	<administrative transfer to H02P21/18>
D	H02P21/148	<administrative transfer to H02P21/20>
D	H02P23/0036	<administrative transfer to H02P23/0004>
D	H02P23/004	<administrative transfer to H02P23/30>
D	H02P23/0045	<administrative transfer to H02P23/16>
D	H02P23/005	<administrative transfer to H02P23/18>
D	H02P23/0054	<administrative transfer to H02P23/183>
D	H02P23/0059	<administrative transfer to H02P23/186>
D	H02P23/0063	<administrative transfer to H02P23/20>
D	H02P23/0068	<administrative transfer to H02P23/22>
D	H02P23/0072	<administrative transfer to H02P23/24>
D	H02P23/0081	<administrative transfer to H02P23/26>
D	H02P23/0095	<administrative transfer to H02P23/28>
D	H02P23/065	<administrative transfer to H02P23/07>
-	-	Document families currently classified in H02P25/022 should transfer first to new group H02P25/024 prior to transferring documents from H02P25/021 to H02P25/022.
D	H02P25/021	<administrative transfer to H02P5/022>
C	H02P25/022	<administrative transfer to H02P25/024 >
-	-	Document families currently classified in H02P25/026 should transfer first to new group H02P25/03 prior to transferring documents from H02P25/023 to H02P25/026.
D	H02P25/023	<administrative transfer to H02P25/026>
-	-	Document families currently classified in H02P25/028 should transfer first to new group H02P25/034 prior to transferring documents from H02P25/025 to H02P25/028.
D	H02P25/025	<administrative transfer to H02P25/028>
C	H02P25/026	<administrative transfer to H02P25/03 >
D	H02P25/027	<administrative transfer to H02P25/032>
C	H02P25/028	<administrative transfer to H02P25/034 >
C	H02P25/06	H02P25/06 H02P25/062 H02P25/064 H02P25/066
-	-	Document families currently classified in H02P25/083 should transfer first to new group H02P25/089 prior to transferring documents from H02P25/081 to H02P25/083.
D	H02P25/081	<administrative transfer to H02P25/083>
-	-	Document families currently classified in H02P25/086 should transfer first to new group H02P25/0925 prior to transferring documents from H02P25/082 to H02P25/086.
D	H02P25/082	<administrative transfer to H02P25/086>
C	H02P25/083	<administrative transfer to H02P25/089 >
D	H02P25/085	<administrative transfer to H02P25/092>
C	H02P25/086	<administrative transfer to H02P25/0925 >
D	H02P25/087	<administrative transfer to H02P25/0805>
D	H02P25/088	<administrative transfer to H02P25/098>
D	H02P27/023	<administrative transfer to H02P27/024>
D	H02P27/042	<administrative transfer to H02P27/048>

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H02P29/00	H02P29/00 H02P29/10 H02P9/20 H02P29/40 H02P29/50 H02P29/60 H02P29/62 H02P29/64 H02P29/66 H02P29/68
-	-	Document families currently classified in H02P29/024 should transfer <u>first</u> to new group H02P25/0241 prior to transferring documents from H02P25/021 to H02P25/024.
D	H02P29/021	<administrative transfer to H02P29/024>
-	-	Document families currently classified in H02P29/028 should transfer <u>first</u> to new group H02P25/032 prior to transferring documents from H02P25/022 to H02P25/028.
D	H02P29/022	<administrative transfer to H02P29/028>
D	H02P29/023	<administrative transfer to H02P29/0243>
C	H02P29/024	<administrative transfer to H02P29/0241>
C	H02P29/028	<administrative transfer to H02P29/032 >

* 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:
- <u>Only</u> C, D, F 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".

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

CPC	IPC	Action*
H02P5/483	-	DELETE
H02P5/485	H02P5/485	NEW
H02P5/486	-	DELETE
H02P5/49	H02P5/49	NEW
H02P5/503	-	DELETE
H02P5/505	H02P5/505	NEW
H02P5/506	-	DELETE
H02P5/51	H02P5/51	NEW
H02P5/523	-	DELETE
H02P5/526	-	DELETE
H02P5/54	H02P5/54	NEW
~~H02P~~	-	
H02P5/56	H02P5/56	NEW
H02P6/001	-	DELETE
H02P6/002	-	DELETE
H02P6/003	-	DELETE
H02P6/008	-	DELETE
H02P6/142	-	DELETE
H02P6/145	-	DELETE
H02P6/147	-	DELETE
H02P6/15	H02P6/15	NEW
H02P6/153	H02P6/15	NEW
H02P6/157	H02P6/15	NEW
H02P6/165		DELETE
H02P6/17	H02P6/17	NEW
H02P6/182	H02P6/182	UPDATED
H02P6/185	H02P6/185	UPDATED
H02P6/205	-	DELETE
H02P6/21	H02P6/21	NEW
H02P6/22	H02P6/22	UPDATED
H02P6/26	H02P6/26	NEW
H02P6/28	H02P6/28	NEW
H02P6/30	H02P6/30	NEW
H02P6/32	H02P6/32	NEW
H02P6/34	H02P6/34	NEW
H02P7/0038	-	DELETE
H02P7/0044	-	DELETE
H02P7/0066	-	DELETE
H02P7/02	H02P7/02	NEW
H02P7/025	H02P7/025	NEW
H02P7/03	H02P7/03	NEW
H02P7/04	H02P7/03	NEW

CPC	IPC	Action*
H02P7/05	H02P7/03	NEW
H02P7/281	H02P7/281	UPDATED
H02P7/2815	H02P7/281	UPDATED
H02P7/2906	-	DELETE
H02P7/291	H02P7/291	NEW
H02P7/2925	-	DELETE
H02P7/293	H02P7/293	NEW
H02P7/343	H02P7/343	UPDATED
H02P7/346	-	DELETE
H02P7/347	H02P7/347	NEW
H02P21/0032	-	DELETE
H02P21/0035	-	DELETE
H02P21/0039	-	DELETE
H02P21/0042	-	DELETE
H02P21/0046	-	DELETE
H02P21/005	-	DELETE
H02P21/0053	-	DELETE
H02P21/0092	-	DELETE
H02P21/0096	-	DELETE
H02P21/085	-	DELETE
H02P21/09	H02P21/09	NEW
H02P21/145	-	DELETE
H02P21/146	-	DELETE
H02P21/148	-	DELETE
H02P21/16	H02P21/16	NEW
H02P21/18	H02P21/18	NEW
H02P21/20	H02P21/20	NEW
H02P21/22	H02P21/22	NEW
H02P21/24	H02P21/24	NEW
H02P21/26	H02P21/26	NEW
H02P21/28	H02P21/28	NEW
H02P21/30	H02P21/30	NEW
H02P21/32	H02P21/32	NEW
H02P21/34	H02P21/34	NEW
H02P21/36	H02P21/36	NEW
H02P21/50	H02P21/00	NEW
H02P23/0036	-	DELETE
H02P23/004	-	DELETE
H02P23/0045	-	DELETE
H02P23/005	-	DELETE
H02P23/0054	-	DELETE
H02P23/0059	-	DELETE
H02P23/0063	-	DELETE
H02P23/0068	-	DELETE
H02P23/0072	-	DELETE

CPC	IPC	Action*
H02P23/0081	-	DELETE
H02P23/0095	-	DELETE
H02P23/065	-	DELETE
H02P23/07	H02P23/07	NEW
H02P23/16	H02P23/16	NEW
H02P23/18	H02P23/18	NEW
H02P23/183	H02P23/18	NEW
H02P23/186	H02P23/18	NEW
H02P23/20	H02P23/20	NEW
H02P23/22	H02P23/22	NEW
H02P23/24	H02P23/24	NEW
H02P23/26	H02P23/26	NEW
H02P23/28	H02P23/28	NEW
H02P23/30	H02P23/30	NEW
H02P25/021	-	DELETE
H02P25/022	H02P25/022	UPDATED
H02P25/023	-	DELETE
H02P25/024	H02P25/024	NEW
H02P25/025	-	DELETE
H02P25/026	H02P25/026	UPDATED
H02P25/027	-	DELETE
H02P25/028	H02P25/028	UPDATED
H02P25/03	H02P25/03	NEW
H02P25/032	H02P25/032	NEW
H02P25/034	H02P25/034	NEW
H02P25/062	H02P25/062	NEW
H02P25/064	H02P25/064	NEW
H02P25/066	H02P25/066	NEW
H02P25/0805	H02P25/08	NEW
H02P25/081	-	DELETE
H02P25/082	-	DELETE
H02P25/083	H02P25/083	UPDATED
H02P25/085	-	DELETE
H02P25/086	H02P25/086	UPDATED
H02P25/087	-	DELETE
H02P25/088	-	DELETE
H02P25/089	H02P25/089	NEW
H02P25/092	H02P25/092	NEW
H02P25/0925	H02P25/092	NEW
H02P25/098	H02P25/098	NEW
H02P27/023	-	DELETE
H02P27/024	H02P27/024	NEW
H02P27/042	-	DELETE
H02P27/048	H02P27/048	NEW
H02P29/021	-	DELETE

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CPC	IPC	Action*
H02P29/022	-	DELETE
H02P29/023	-	DELETE
H02P29/024	H02P29/024	UPDATED
H02P29/0241	H02P29/024	NEW
H02P29/0243	H02P29/024	NEW
H02P29/025	H02P29/024	UPDATED
H02P29/026	H02P29/024	UPDATED
H02P29/027	H02P29/024	UPDATED
H02P29/028	H02P29/028	UPDATED
H02P29/032	H02P29/032	NEW
H02P29/10	H02P29/10	NEW
H02P29/20	H02P29/20	NEW
H02P29/40	H02P29/40	NEW
H02P29/50	H02P29/50	NEW
H02P29/60	H02P29/60	NEW
H02P29/62	H02P29/62	NEW
H02P29/64	H02P29/64	NEW
H02P29/66	H02P29/66	NEW
H02P29/68	H02P29/68	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 "UPDATEDD."
- 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.

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Action; New reference symbol; New text Replaced by
H02P2201/15	H02P23/0081	H02P23/26

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
H02P21/0003	H02P23/0036	Informative references	H02P23/0004
H02P23/04	H02P25/088	References relevant to classification in this group	H02P25/098
H02P29/0038	H02P25/088	References relevant to classification in this group	H02P25/098

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.