

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 330

DATE: NOVEMBER 1, 2016

PROJECT RP0378

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted:	H02P	29/0005
	H02P	29/0011
	H02P	29/0033
	H02P	29/0038
	H02P	29/0044
	H02P	29/005
	H02P	29/0055
	H02P	29/0061
	H02P	29/0066
	H02P	29/0072
	H02P	29/0077
	H02P	29/0083
	H02P	29/0088
H02P	29/0094	
Symbols newly created:	H02P	29/662
	H02P	29/664
	H02P	29/666
	H02P	29/67
	H02P	29/685
Deleted Definitions:	H02P	29/0038
	H02P	29/0044
	H02P	29/0055
	H02P	29/0066
	H02P	29/0083
New Definitions:	H02P	29/662
	H02P	29/67
Scheme Warning Notices to be deleted:	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

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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)

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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[#]
D	H02P29/0005	1	{for preventing over- or under speed}	<administrative transfer to H02P29/10>
D	H02P29/0011	1	{for controlling one motor used for different sequential operations}	<administrative transfer to H02P29/20>
D	H02P29/0033	1	{Controlling the mechanical load according to the amount of current drawn or delivered by the motor}	<administrative transfer to H02P29/40>
D	H02P29/0038	1	{Reduction of harmonics}	<administrative transfer to H02P29/50>
D	H02P29/0044	1	{Controlling or determining the motor or drive temperature (AC motor parameter estimation H02P23/14 ; motor parameter estimation for vector control H02P21/14 ; protection against overload H02P29/02; protection against faults of stepper motores H02P8/36)}	<administrative transfer to H02P29/60>
D	H02P29/005	2	{for raising the temperature of the motor}	<administrative transfer to H02P29/62>
D	H02P29/0055	2	{controlling or determining the winding temperature (H02P29/0072 takes precedence)}	<administrative transfer to H02P29/64>
D	H02P29/0061	2	{controlling or determining the rotor temperature}	<administrative transfer to H02P29/66>
D	H02P29/0066	3	{the rotor having permanent magnets (H02P29/0083 takes precedence)}	<administrative transfer to H02P29/662>
D	H02P29/0072	3	{the rotor having windings}	<administrative transfer to H02P29/664>
D	H02P29/0077	4	{by rotor current detection}	<administrative transfer to H02P29/666>
D	H02P29/0083	2	{by back-emf evaluation to obtain the motor temperature (back-emf based rotor position determination H02P6/182)}	<administrative transfer to H02P29/67>
D	H02P29/0088	2	{based on the temperature of a drive component or a semiconductor component}	<administrative transfer to H02P29/68>
D	H02P29/0094	3	{compensating for Hall sensor temperature non-linearity}	<administrative transfer to H02P29/685>
E	H02P29/10	1	for preventing overspeed or under speed	

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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#
E	H02P29/20	1	for controlling one motor used for different sequential operations	
E	H02P29/40	1	Regulating or controlling the amount of current drawn or delivered by the motor for controlling the mechanical load	
E	H02P29/50	1	Reduction of harmonics	
E	H02P29/60	1	Controlling or determining the temperature of the motor or of the drive (H02P29/02 takes precedence)	
E	H02P29/62	2	for raising the temperature of the motor	
E	H02P29/64	2	Controlling or determining the temperature of the winding	
E	H02P29/66	2	Controlling or determining the temperature of the rotor	
N	H02P29/662	3	{ the rotor having permanent magnets (H02P29/67 takes precedence)}	
N	H02P29/664	3	{ the rotor having windings }	
N	H02P29/666	4	{ by rotor current detection }	
N	H02P29/67	2	{ Controlling or determining the motor temperature by back electromotive force [back-EMF] evaluation }	
E	H02P29/68	2	based on the temperature of a drive component or a semiconductor component	
N	H02P29/685	3	{ compensating for Hall sensor temperature non-linearity }	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; E= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except "D" which requires only a symbol.
- #“T 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 “T transferred to” column, avoid using ranges of symbols in order to be as precise as possible.

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- 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”.

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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

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	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	
D	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	
D	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	
D	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	
D	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	
D	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	
D	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	
D	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	
D	H02P29/68	Group H02P29/68 is incomplete pending reclassification of documents from group H02P29/00 . Groups H02P29/00 and	

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
		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.

2. A. DEFINITIONS

H02P29/662 (new)

References

Limiting References

This place does not cover:

By back-EMF evaluation to obtain the motor temperature	H02P29/67
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H02P29/67 (new)

References

Informative References

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

Back-emf based rotor position determination	H02P6/182
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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
D	H02P 29/0038		Delete entire definitions
D	H02P 29/0044		Delete entire definitions
D	H02P 29/0055		Delete entire definitions
D	H02P 29/0066		Delete entire definitions
D	H02P 29/0083		Delete entire definitions

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.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	H02P 29/0005	<administrative transfer to H02P 29/10>
D	H02P 29/0011	<administrative transfer to H02P 29/20>
D	H02P 29/0033	<administrative transfer to H02P 29/40>
D	H02P 29/0038	<administrative transfer to H02P 29/50>
D	H02P 29/0044	<administrative transfer to H02P 29/60>
D	H02P 29/005	<administrative transfer to H02P 29/62>
D	H02P 29/0055	<administrative transfer to H02P 29/64>
D	H02P 29/0061	<administrative transfer to H02P 29/66>
D	H02P 29/0066	<administrative transfer to H02P 29/662>
D	H02P 29/0072	<administrative transfer to H02P 29/664>
D	H02P 29/0077	<administrative transfer to H02P 29/666>
D	H02P 29/0083	<administrative transfer to H02P 29/67>
D	H02P 29/0088	<administrative transfer to H02P 29/68>
D	H02P 29/0094	<administrative transfer to H02P 29/685>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries.

NOTES:

- Only C, D, 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”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H02P 29/0005		DELETE
H02P 29/0011		DELETE
H02P 29/0033		DELETE
H02P 29/0038		DELETE
H02P 29/0044		DELETE
H02P 29/005		DELETE
H02P 29/0055		DELETE
H02P 29/0061		DELETE
H02P 29/0066		DELETE
H02P 29/0072		DELETE
H02P 29/0077		DELETE
H02P 29/0083		DELETE
H02P 29/0088		DELETE
H02P 29/0094		DELETE
H02P 29/662	H02P 29/66	NEW
H02P 29/664	H02P 29/66	NEW
H02P 29/666	H02P 29/66	NEW
H02P 29/67	H02P 29/60	NEW
H02P 29/685	H02P 29/68	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 “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

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

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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>
H02P 6/10	Informative references	H02P 29/0038	H02P 29/50
H02P 23/04	Limiting references	H02P 29/0038	H02P 29/50

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.