

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 153

JANUARY 1, 2016

PROJECT RP0299

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted:	B60W	20/102
	B60W	20/104
	B60W	20/106
	B60W	20/1062
	B60W	20/108
	B60W	20/1082
	B60W	20/1084
	B60W	20/1086
	B60W	20/1088
Symbols newly created:	B60W	20/11
	B60W	20/12
	B60W	20/13
	B60W	20/14
	B60W	20/15
	B60W	20/16
	B60W	20/17
	B60W	20/18
	B60W	20/19
Title wording change:	B60W	20/00
	B60W	20/10
	B60W	20/20
	B60W	20/30
	B60W	20/40
	B60W	20/50
Definitions: Modified/Symbol renumbered:	B60W	20/102 (modified; renumbered to 20/11)
	B60W	20/104 (renumbered to 20/12)
	B60W	20/106 (modified; renumbered to 20/13)
	B60W	20/1062 (renumbered to 20/14)
	B60W	20/108 (renumbered to 20/15)
	B60W	20/1082 (renumbered to 20/16)

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	B60W	20/1084 (renumbered to 20/17)
	B60W	20/1086 (renumbered to 20/18)
	B60W	20/1088 (renumbered to 20/19)

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 B60W – Control Systems specially adapted for hybrid vehicles

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B60W20/00	0	Control systems specially adapted for hybrid vehicles	
M	B60W20/10	1	Controlling the power contribution of each of the prime movers to meet required power demand	
D	B60W20/102	2	{using model predictive control [MPC] strategies, i.e. control methods based on models predicting performance}	<administrative transfer to B60W20/11>
D	B60W20/104	2	{using control strategies considering route information}	<administrative transfer to B60W20/12>
D	B60W20/106	2	{in order to stay within battery power input and output limits or to prevent overcharging or over-discharging}	administrative transfer to B60W20/13
D	B60W20/1062	3	{in conjunction with braking regeneration}	<administrative transfer to B60W20/14>
D	B60W20/108	2	{Special control strategies to achieve a particular effect}	<administrative transfer to B60W20/15>
D	B60W20/1082	3	{Control strategies to reduce engine exhaust emissions}	<administrative transfer to B60W20/16>
D	B60W20/1084	3	{Control strategies to reduce noise}	<administrative transfer to B60W20/17>
D	B60W20/1086	3	{Control strategies to avoid aging of fuel}	<administrative transfer to B60W20/18>
D	B60W20/1088	3	{Control strategies to achieve boost-effect}	<administrative transfer to B60W20/19>
N	B60W20/11	2	using model predictive control [MPC] strategies, i.e. control methods based on models predicting performance	
N	B60W20/12	2	using control strategies taking into account route information	
N	B60W20/13	2	in order to stay within battery power input or output limits; in order to prevent overcharging or battery depletion	
N	B60W20/14	3	in conjunction with braking regeneration	
N	B60W20/15	2	Control strategies specially adapted for achieving a particular effect	
N	B60W20/16	3	for reducing engine exhaust emissions	
N	B60W20/17	3	for noise reduction	
N	B60W20/18	3	for avoiding ageing of fuel	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
N	B60W20/19	3	for achieving enhanced acceleration	
M	B60W20/20	1	Control strategies involving selection of hybrid configuration, e.g. selection between series or parallel configuration	
M	B60W20/30	1	Control strategies involving selection of transmission gear ratio	
M	B60W20/40	1	Controlling the engagement or disengagement of prime movers, e.g. for transition between prime movers	
M	B60W20/50	1	Control strategies for responding to system failures, e.g. for fault diagnosis, failsafe operation or limp mode	

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

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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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</u> <u>or text</u>	<u>Action; New symbol; New</u> <u>text</u>
B60W20/102	References relevant to classification in this subclass/group	B60W20/104	B60W20/12
B60W20/102	Special rules of classification within this subclass/group	B60W20/108	B60W20/15
B60W20/102	Symbol	-	B60W20/11
B60W20/104	Symbol	-	B60W20/12
B60W20/106	Informative references	B60W20/102	B60W20/11
B60W20/106	Symbol	-	B60W20/13
B60W20/1062	Symbol	-	B60W20/14
B60W20/108	Symbol	-	B60W20/15
B60W20/1082	Symbol	-	B60W20/16
B60W20/1084	Symbol	-	B60W20/17
B60W20/1086	Symbol	-	B60W20/18
B60W20/1088	Symbol	-	B60W20/19

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	B60W20/102	<administrative transfer to B60W20/11>
D	B60W20/104	<administrative transfer to B60W20/12>
D	B60W20/106	<administrative transfer to B60W20/13>
D	B60W20/1062	<administrative transfer to B60W20/14>
D	B60W20/108	<administrative transfer to B60W20/15>
D	B60W20/1082	<administrative transfer to B60W20/16>
D	B60W20/1084	<administrative transfer to B60W20/17>
D	B60W20/1086	<administrative transfer to B60W20/18>
D	B60W20/1088	<administrative transfer to B60W20/19>

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

NOTES:

- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B60W20/00	B60W20/00	UPDATED
B60W20/10	B60W20/10	UPDATED
B60W20/102	-	DELETE
B60W20/104	-	DELETE
B60W20/106	-	DELETE
B60W20/1062	-	DELETE
B60W20/108	-	DELETE
B60W20/1082	-	DELETE
B60W20/1084	-	DELETE
B60W20/1086	-	DELETE
B60W20/1088	-	DELETE
B60W20/11	B60W20/11	NEW
B60W20/12	B60W20/12	NEW
B60W20/13	B60W20/13	NEW
B60W20/14	B60W20/14	NEW
B60W20/15	B60W20/15	NEW
B60W20/16	B60W20/16	NEW
B60W20/17	B60W20/17	NEW
B60W20/18	B60W20/18	NEW
B60W20/19	B60W20/19	NEW
B60W20/20	B60W20/20	UPDATED
B60W20/30	B60W20/30	UPDATED
B60W20/40	B60W20/40	UPDATED
B60W20/50	B60W20/50	UPDATED

*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.