

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	B60W	10/0235
	B60W	2300/126, 2300/16, 2300/30, 2300/32, 2300/38, 2300/42, 2300/43, 2300/45, 2300/48
	B60W	2420/42, 2420/52, 2420/62
	B60W	2556/60
Symbols New:	B60W	2300/147, 2300/175
	B60W	2420/408
Titles Changed:	B60W	30/00, 30/06
	B60W	2040/0809
	B60W	2050/0063, 2050/143
	B60W	2300/105, 2300/14, 2300/34
	B60W	2420/40
	B60W	2552/05, 2552/15, 2552/20, 2552/35
	B60W	2556/50
Indents Changed:	B60W	2300/105
Warnings Deleted:	B60W	10/0235
Warnings Modified:	B60W	10/026
Guidance Headings New:	B60W	2300/00
DEFINITIONS:		
Definitions New:	B60W	30/146, 30/162
	B60W	2050/0063
Definitions Modified:	B60W	Subclass
	B60W	20/30
	B60W	30/00

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

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

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)

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

1. CLASSIFICATION SCHEME CHANGES.

A. New, Modified or Deleted Group(s)

SUBCLASS B60W – CONJOINT CONTROL OF VEHICLE SUB-UNITS OF DIFFERENT TYPE OR DIFFERENT FUNCTION; CONTROL SYSTEMS SPECIALLY ADAPTED FOR HYBRID VEHICLES; ROAD VEHICLE DRIVE CONTROL SYSTEMS FOR PURPOSES NOT RELATED TO THE CONTROL OF A PARTICULAR SUB-UNIT

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	B60W 10/0235	3	{of bridging or lock-up clutches}	<administrative transfer to B60W 10/026>
M	B60W30/00	0	Purposes of road vehicle drive control systems not related to the control of a particular sub-unit, e.g. of systems using conjoint control of vehicle sub-units	
M	B60W 30/06	1	Automatic manoeuvring for parking	
M	B60W 2040/0809	2	{Driver authorisation; Driver identity check}	
M	B60W 2050/0063	2	{Manual parameter input, manual setting means, manual initialising or calibrating means}	
M	B60W 2050/143	3	{Alarm means}	
M	B60W 2300/105	1	Emergency vehicles, e.g. ambulances	
D	B60W 2300/126	3	Multi-axles trucks	<administrative transfer to B60W 2300/147>
M	B60W 2300/14	1	Tractor-trailers, i.e. combinations of a towing vehicle and one or more towed vehicles, e.g. caravans; Road trains	
U	B60W 2300/145	2	Semi-trailers	
N	B60W 2300/147	2	Road trains	
D	B60W 2300/16	1	Cranes	<no transfer>
U	B60W 2300/17	1	Construction vehicles, e.g. graders, excavators	
N	B60W 2300/175	2	Skid-steer loaders	
D	B60W 2300/30	1	Toys	<no transfer>
D	B60W 2300/32	1	Amphibious vehicles	<no transfer>
M	B60W 2300/34	1	Compact city vehicles, e.g., microcars or kei cars	

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

D	B60W 2300/38	1	Wheelchairs; Perambulators	<no transfer>
D	B60W 2300/42	1	Loading ramps	<no transfer>
D	B60W 2300/43	1	Snowmobile	<no transfer>
D	B60W 2300/45	1	Skid-steer	<administrative transfer to B60W 2300/175>
D	B60W 2300/48	1	Low or lowerable bed vehicles	<no transfer>
M	B60W 2420/40	1	Photo, light or radio wave sensitive means, e.g. infrared sensors	
U	B60W 2420/403	2	Image sensing, e.g. optical camera	
U	B60W 2420/406	2	Fiber optic sensor	
N	B60W 2420/408	2	Radar; Laser, e.g. lidar	
D	B60W 2420/42	1	Image sensing, e.g. optical camera	<administrative transfer to B60W 2420/403>
D	B60W 2420/52	1	Radar, Lidar	<administrative transfer to B60W 2420/408>
D	B60W 2420/62	1	Laser	<administrative transfer to B60W 2420/408>
M	B60W 2552/05	1	Type of road, e.g. motorways, local streets, paved or unpaved roads	
M	B60W 2552/15	1	Road slope, i.e. the inclination of a road segment in the longitudinal direction	
M	B60W 2552/20	1	Road profile, i.e. the change in elevation or curvature of a plurality of continuous road segments	
M	B60W 2552/35	1	Road bumpiness, e.g. potholes	
U	B60W 2556/45	1	External transmission of data to or from the vehicle	
T	B60W 2556/50	2	of positioning data, e.g. GPS [Global Positioning System] data	
D	B60W 2556/60	2	using satellite communication	<administrative transfer to B60W 2556/50>

*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).

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

- 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 finalisation 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.

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

B. New, Modified or Deleted Warning(s)

SUBCLASS B60W – CONJOINT CONTROL OF VEHICLE SUB-UNITS OF DIFFERENT TYPE OR DIFFERENT FUNCTION; CONTROL SYSTEMS SPECIALLY ADAPTED FOR HYBRID VEHICLES; ROAD VEHICLE DRIVE CONTROL SYSTEMS FOR PURPOSES NOT RELATED TO THE CONTROL OF A PARTICULAR SUB-UNIT

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
D	B60W 10/0235	Group B60W 10/0235 is incomplete pending reclassification of documents from groups B60W 10/026, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223. All groups listed in this Warning should be considered in order to perform a complete search.	
M	B60W 10/026	Group B60W 10/026 is incomplete pending reclassification of documents from groups B60W 10/023, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221, and G05D 1/0223. Group B60W 10/026 is also impacted by reclassification into groups B60W 10/0235 and B60W 10/024. All groups listed in this Warning should be considered in order to perform a complete search.	Group B60W 10/026 is incomplete pending reclassification of documents from groups B60W 10/023, G05D 1/0061, G05D 1/0088, G05D 1/021, G05D 1/0214, G05D 1/0221 and G05D 1/0223. Group B60W 10/026 is also impacted by reclassification into group B60W 10/024. All groups listed in this Warning should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The “Location” column only requires the symbol PRIOR to the location of the warning. No further directions such as “before” or “after” are required.

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

D. New, Modified or Deleted Guidance Heading(s)

SUBCLASS B60W – CONJOINT CONTROL OF VEHICLE SUB-UNITS OF DIFFERENT TYPE OR DIFFERENT FUNCTION; CONTROL SYSTEMS SPECIALLY ADAPTED FOR HYBRID VEHICLES; ROAD VEHICLE DRIVE CONTROL SYSTEMS FOR PURPOSES NOT RELATED TO THE CONTROL OF A PARTICULAR SUB-UNIT

<u>Type*</u>	<u>Location</u>	<u>Old Guidance Heading</u>	<u>New/Modified Guidance Heading</u>
N	B60W 2300/00 - B60W 2900/00		Indexing scheme relating to vehicle control covered by groups B60W10/00 – B60W60/007.

*N = new guidance heading, M = modified guidance heading, D = deleted guidance heading

NOTES:

- The “Location” column requires the symbol AFTER the guidance heading location. No further directions such as “before” or “after” are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the “Location” column. For example, the guidance heading “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen” encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the “Location” column as follows: 398/00 to be included under the guidance heading: “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen.”

2. A. DEFINITIONS (new)

B60W 30/146

Definition statement

This place covers:

Adaptive cruise control systems controlling the speed such that a limit is placed either at an upper threshold or a lower threshold.

B60W 30/162

Definition statement

This place covers:

Adaptive cruise control systems controlling distance between vehicles by controlling the speed such that a limit is placed either at an upper threshold or a lower threshold.

B60W 2050/0063

Informative references

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

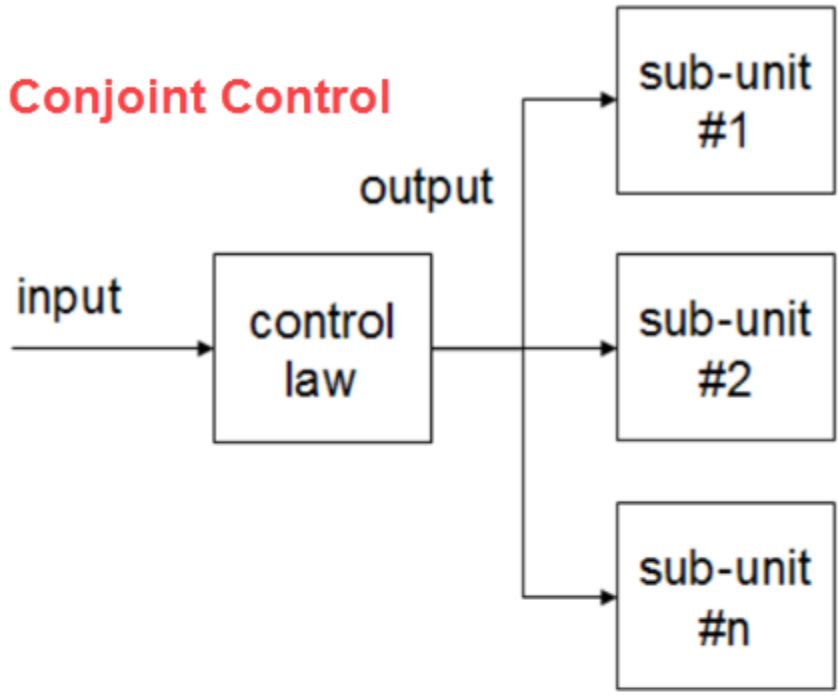
Input arrangements of instruments specially adapted for vehicles	B60K35/10
--	-----------

2. A. DEFINITIONS (modified)

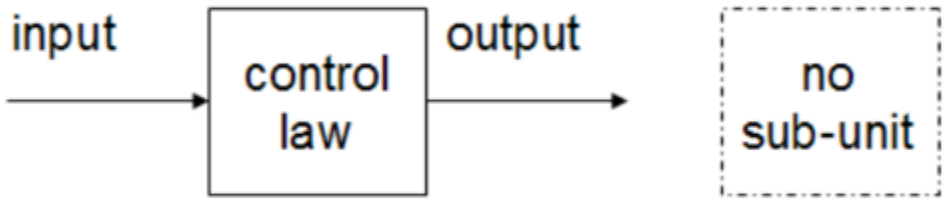
B60W

Definition statement

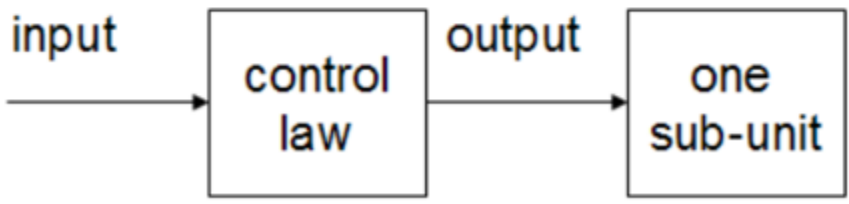
Replace: The image in the Definition statement with the updated image below.



sub-units of different type or different function



NOT Conjoint Control



treated in the field of controlled sub-unit

DATE: JANUARY 1, 2024

PROJECT RP11518

Informative references:

Insert: The following new rows to the Informative references table:

Steering control for vehicles, i.e. means for initiating a change of direction of the vehicle	B62D 1/00
Power-assisted or power-driven steering	B62D 5/00
Arrangements for automatically controlling steering depending on driving conditions sensed and responded to, e.g. control circuits	B62D 6/00
Steering not otherwise provided for	B62D 15/00
External control of clutches	F16D 48/00

Special rules of classification

Delete: The extra space after “IPC” in the second paragraph, so that it now reads as follows:

Contrary to the IPC, B60W in CPC is a multi-aspect classification system where classifications have to be given for all features of the independent claims and for all features contributing to the operability of the disclosed invention.

Glossary of terms

Replace: The reference text for each of the two terms below.

Road Vehicle	Motorised vehicle for transportation on roads, e.g. an automobile, truck or bus.
Sub-Unit	One of the following vehicle systems: propulsion system, clutch system, change-speed gearing system, system for distributing drive torque between front and rear axles, axle differential system, brake system, steering system, suspension system, energy storage means, fuel cells or auxiliary equipment.

DATE: JANUARY 1, 2024

PROJECT RP11518

B60W20/30

References

Insert: The following new Informative references section and table.

Informative references

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

Improvement of gear change, e.g. by synchronisation or smoothing gear shift	B60W 30/19
---	------------

B60W30/00

References

Informative references

Replace: The existing Informative references table with the updated table below.

Vehicle brake control systems or parts thereof; Brake control systems or parts thereof, in general	B60T
Anti-lock brake systems [ABS]	B60T 8/00

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	B60W 10/0235	<administrative transfer to B60W 10/026>
D	B60W 2300/126	<administrative transfer to B60W 2300/147>
D	B60W 2300/16	<no transfer>
D	B60W 2300/30	<no transfer>
D	B60W 2300/32	<no transfer>
D	B60W 2300/38	<no transfer>
D	B60W 2300/42	<no transfer>
D	B60W 2300/43	<no transfer>
D	B60W 2300/45	<administrative transfer to B60W 2300/175>
D	B60W 2300/48	<no transfer>
D	B60W 2420/42	<administrative transfer to B60W 2420/403>
D	B60W 2420/52	<administrative transfer to B60W 2420/408>
D	B60W 2420/62	<administrative transfer to B60W 2420/408>
D	B60W 2556/60	<administrative transfer to B60W 2556/50>

* 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.

CPC NOTICE OF CHANGES 1603

DATE: JANUARY 1, 2024

PROJECT RP11518

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B60W 10/0235		DELETE
B60W 2300/126		DELETE
B60W 2300/147	CPCONLY	NEW
B60W 2300/16		DELETE
B60W 2300/175	CPCONLY	NEW
B60W 2300/30		DELETE
B60W 2300/32		DELETE
B60W 2300/38		DELETE
B60W 2300/42		DELETE
B60W 2300/43		DELETE
B60W 2300/45		DELETE
B60W 2300/48		DELETE
B60W 2420/408	CPCONLY	NEW
B60W 2420/42		DELETE
B60W 2420/52		DELETE
B60W 2420/62		DELETE
B60W 2556/60		DELETE

* 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.