

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1494

DATE: AUGUST 1, 2023

PROJECT MP12037

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	B60S	1/0463, 1/0483
	B60S	5/00
	B60S	9/00
Indents Changed:	B60S	1/485, 1/486, 1/548
DEFINITIONS:		
Definitions New:	B60S	1/0483
Definitions Modified:	B60S	1/00
	B60S	5/00
	B60S	9/00

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

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

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

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS B60S - SERVICING, CLEANING, REPAIRING, SUPPORTING, LIFTING, OR MANOEUVRING OF VEHICLES, NOT OTHERWISE PROVIDED FOR

<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>
M	B60S 1/0463	5	{Arrangement of the cowl}	
M	B60S 1/0483	4	{the cleaning device being separate from the vehicle}	
M	B60S 1/485	5	{including control systems responsive to external conditions, e.g. by detection of moisture, dirt or the like}	
M	B60S 1/486	5	{including control systems responsive to a vehicle driving condition, e.g. speed}	
M	B60S 1/548	3	{according to vehicle movement characteristics, e.g. speed, or climatic conditions, e.g. wind}	
M	B60S 5/00	0	Servicing, maintaining, repairing, or refitting of vehicles (vehicles adapted to carry a workshop for servicing or maintenance B60P3/14; servicing rail locomotives B61K)	
M	B60S 9/00	0	Ground-engaging vehicle fittings for supporting, lifting, or manoeuvring the vehicle, wholly or in part, e.g. built-in jacks (lifting devices in general B66F; supports in general F16M)	

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

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.

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- 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 (“T transferred to”) symbol, however it is required to specify “<no transfer>” in the “T transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “T transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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2. A. DEFINITIONS (new)

Insert: The following new Definitions.

B60S 1/0483

References

Informative references

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

Renovating blade rubbers	B60S 2001/3846
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2. A. DEFINITIONS (modified)

B60S 1/00

Definition statement

Replace: The existing Definition statement with the following revised Definition statement.

Cleaning devices used for cleaning any parts of the vehicle and being fixed to the vehicle, e.g. defogging devices, wipers for windscreen or rear windows, nozzles distributing washing liquid, scrapers fixed to the wheels.

Relationships with other classification places

Replace: The text of the Relationships with other classification places with the following revised text:

Heated wires embedded in the windshield are to be found in [H05B 3/84](#) and defrosting by deflecting air from the air-conditioning unit is classified in [B60H](#). [B60S 1/023](#) is therefore only concerned with the specific control of the defrosting (in particular automatic control using sensors for external conditions).

Hydrophobic films when applied to windscreens are both classified in [B60S 1/02](#) and [C09K 3/18](#).

The group [B60S 1/0818](#) and subgroups are concerned with rain sensors for automatic control of the windscreen wipers. The documents concerned with the type of detection should have both a classification in [B60S 1/0818](#) or subgroups and a classification in the corresponding type of detection (optical detection [G01N 21/45](#), by varying capacitance [G01N 27/22](#)). When the document is about a multi-functional camera, only a CPC symbol at additional information level (namely [B60S 1/0844](#)) but no inventive symbol is given to this document. The most relevant groups for those documents should be either stereoscopic detection [H04N 13/00](#) or image recognition [G06V 20/56](#).

The group [B60S 1/0848](#) concerns the cleaning of cameras when the camera is used as a rain sensor for controlling the wipers on the vehicle. Automatic cleaning of cameras is classified under [H04N](#). Cleaning of radars or external cameras installed on vehicles (by wipers or heating devices) are classified in [B60S 1/56](#).

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The documents concerned with the electric wiper motors are normally classified in [H02K 7/116](#) but get a classification in [B60S 1/166](#) as well. The same rule applies to gearings [F16H 1/00](#), ball-joints [F16C](#), sealings [F16F](#) or other functional fields.

The cleaning devices being separate to the vehicle are to be found under [B60S 3/00](#).

The extrusion of the wiper rubber is classified in [B29C 48/00](#) and the indexing code [B29L 2031/305](#), only an Indexing Code ([B60S 2001/3898](#)) is given in our field. The same applies to the chemical composition of coatings for wiper blade rubbers, the relevant field being [C08J 7/00](#) and the Indexing Code [B60S 2001/3829](#).

Packaging for wiper blades are classified in both [B60S 1/38](#) (if applicable [B60S 1/3848](#)) and [B65D](#).

Washing liquid nozzles having specific features for creating a specific spray (e.g. fluidic oscillators) are classified in both [B60S 1/52](#) and [B05B](#).

Water heaters for heating washing liquid for windscreen washer reservoirs are both classified in [B60S 1/488](#) and [F24H 1/12](#). Documents showing reservoirs of washing liquid can also be classified in pumps ([F04D](#)), liquid level indicator ([G01F 23/00](#)), funnels ([B67C 11/00](#)) or front structure of car body ([B62D 25/08](#)). Some reservoirs are combined with cooling fluid expansion reservoirs for heating purposes, they should get both classifications [B60S 1/487](#) and [F01P 11/029](#).

The group [B60S 1/54](#) is concerned with cleaning by using air. However, defrosters for the windscreen deflecting air from the air-conditioning device are classified in [B60H](#).

The group [B60S 1/56](#) is concerned with cleaning of other part or devices than the front window. However, a specific group exist in [B60R 1/06](#) for cleaning rear-view mirrors. When cleaning is made using a wiper, a relevant classification for wipers in groups [B60S 1/04](#) - [B60S 1/44](#) is added.

References

Limiting References

Replace: The existing Limiting references table with the following revised table:

By apparatus not integral with vehicle	B60S 3/00
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Insert: The following new References out of a residual place section:

References out of a residual place

Examples of places in relation to which this place is residual:

Air-conditioning for vehicles	B60H
Rear-view mirrors comprising means for cleaning or deicing	B60R 1/0602
De-icing of aircraft	B64D
Heating arrangements for transparent or reflecting areas	H05B 3/84

Informative References

Replace: The middle three rows of the Informative references table so that they appear as follows:

Extrusion of wiper blades	B29C 48/00, B29L 2031/305
Packaging, e.g. for wiper blades	B65D
Coatings, e.g. of wiper blades	C08J 7/00

Special rules of classification

Replace: The entire text of the Special rules of classification section with the following revised text:

The groups B60S 1/04 - B60S 1/44 are concerned with windscreen wipers and their different consisting parts (mounting on the vehicle B60S 1/04, electric control B60S 1/08, motor-reduction units B60S 1/166, transmissions B60S 1/18 - B60S 1/24, wiper arms B60S 1/34, wiper blades* B60S 1/38, connection between wiper arm and wiper blade B60S 1/40).

* The term "wiper blade" relates to the wiper squeegee (wiping lip) together with its support structure. The structure is either made of articulated elements (B60S 1/3801) or from a single flat element (flat-type wiper blade B60S 1/3848). A flat-type wiper blade should always be allocated a CPC symbol, either at inventive or additional level, under B60S 1/3848 even if only visible on the figures. This remark is particularly relevant for documents concerned with connectors for wiper blade and wiper arm.

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The indexing codes **B60S 2001/3812** - **B60S 2001/3846** are break-down indexing codes. They are to be used when their titles correspond specifically to the wiper blades to be classified.

References **B08B**, **B64D** and **H05B 3/84** are non-limiting in the main group/subgroup **B60S 1/00**. CPC will be updated/corrected once this inconsistency is resolved in IPC.

B60S 5/00

Definition statement

Replace: The existing text of the Definition statement with the following revised text:

Methods for servicing, maintaining, repairing or refitting of vehicles not otherwise provided for, e.g. the combination of services.

Relationships with other classification places

Replace: The existing text of the Relationships with other classification places with the following revised text:

Under due consideration of the subclass title of **B60S**, group **B60S 5/00** and its subgroup relate to servicing, maintaining, repairing or refitting of vehicles as far as they are not classifiable elsewhere. If within the CPC a better place to classify the aspects of servicing, maintaining, repairing or refitting of vehicles exists, then a disclosure is classified in that place and not in **B60S 5/00** or its subgroups. As a result, very few documents are present in this group.

References

Delete: The entire Limiting references section.

Insert: The following new References out of a residual place section.

References out of a residual place

Examples of places in relation to which this place is residual:

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Straightening vehicle body parts	B21D 1/12
Devices for monitoring or checking brake systems	B60T 17/22
Servicing rail locomotives	B61K
Assembling motor vehicles	B62D 65/00
Filling or draining lubricant	F01M 11/04
Assembly or repair of springs or dampers	F16F 9/32
Draining of lubricant from gearing	F16H 57/04
Means for collecting, retaining, or draining-off lubricant	F16N 31/00
Testing of vehicles	G01M 17/00
Arrangements for electrical testing	G01R 31/00
Administration of vehicle repair process	G06Q 10/00
Registering or indicating the working of vehicles	G07C 5/00

Informative References

Replace: The existing Informative references table with the following revised table.

Collecting or removing exhaust gases in workshops	B08B 15/002
Vices	B25B 1/00
Tool, instrument or work supports or storage means used in association with vehicles	B25H 5/00
Vehicles adapted to carry a workshop for servicing or maintenance	B60P 3/14

Insert: The following new Special rules of classification section.

Special rules of classification

References [B60P 3/14](#) and [B61K](#) are non-limiting in the main group [B60S 5/00](#). CPC will be updated/corrected once this inconsistency is resolved in IPC.

B60S 9/00

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Insert: The following new Relationships with other classification places section.

Relationships with other classification places

This groups covers only supporting, lifting or manoeuvring devices which are being fixed to the vehicle continuously. Devices which are not or only temporary fixed to the vehicle are classified elsewhere, e.g. in lifting devices [B66F](#), in supports in general [F16M](#) or in vehicle-manoeuving devices separate from the vehicle [B60S 13/00](#).

References

Insert: The following new References out of a residual place section.

References out of a residual place

Examples of places in relation to which this place is residual:

Outriggers for mobile cranes	B66C 23/78
Vehicles for placing portable bridges	E01D 15/127
Outriggers for concrete pumps	E04G 21/00

Delete: The entire Application-oriented references section.

Informative References

Replace: The existing Informative references table with the following revised table:

Vehicle-manoeuving devices separate from the vehicle	B60S 13/00
Root extracting machines	A01G 23/04
Props for vehicle draw bars	B60D 1/66
Auxiliary drives from a ground wheel	B60K 25/08
Vehicles adapted for load transportation or to transport, to carry, or to comprise special loads or objects	B60P
Anti-theft devices acting on vehicle jacking means	B60R 25/001

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Track vehicles with additional or alternative ground wheels	B62D 55/02
Vehicles with ground-engaging propulsion means, e.g. walking members	B62D 57/02
Lifting devices in general	B66F
Vehicles for placing portable bridges	E01D 15/127
Supports in general	F16M

Insert: The following new Special rules of classification section.

Special rules of classification

References [B66F](#) and [F16M](#) are non-limiting in the main group [B60S 9/00](#). CPC will be updated/corrected once this inconsistency is resolved in IPC.