

## B60R

### VEHICLES, VEHICLE FITTINGS, OR VEHICLE PARTS, NOT OTHERWISE PROVIDED FOR

#### Definition statement

*This place covers:*

Any categories of vehicles per se that:

- Are not explicitly covered by another subclass of the class (B60) for this subclass; or
- Are not structurally restricted to the vehicular categories fully covered by subclasses providing for rail vehicles, waterborne vessels, aircraft, space vehicles, handcarts, cycles, animal-drawn vehicles, or sledges.

Vehicle components or parts of the following types when they are either of general utility or specially adapted for a category of vehicle proper for this subclass:

- Devices utilising plumbing that are specially adapted for vehicles, or modification to vehicles for accommodating such devices, which are used by vehicle occupants for sanitary purposes (e.g. water closets, urinals, sinks);
- Specially adapted arrangements, devices, or fittings for preventing or reducing direct-impact type injuries to occupants of vehicles (e.g. air bags, seat belts) or otherwise directly protecting (e.g. from a physical attack) occupants of vehicles;
- Specially adapted arrangements, devices, or fittings for preventing or reducing direct-impact type injuries to people that are not occupying vehicles (e.g. pedestrians);
- Arrangements or devices for indicating or stopping the unauthorised use of vehicles;
- Mirrors or other optical-type devices (e.g. camera/screen traffic viewers) specially adapted for vehicles, or arrangements of such mirrors or optical devices on vehicles, that are used during travel or vehicular operation to assist in viewing external objects;
- Compartments or devices located on the interior or exterior of vehicles that are primarily intended to hold or contain stowed articles (e.g. luggage, maps, skis) for their occupants;
- Devices or arrangements located on the interior or exterior of vehicles for holding articles used for vehicular maintenance (e.g. tools, jacks);
- Devices or arrangements located on the interior or exterior of vehicles for mounting articles (e.g. television sets, makeup mirrors) or vehicle components (e.g. loud speakers) used by occupants for functions that are non-essential to the operation of vehicles;
- Electrical or fluid circuits, or arrangements of electrical or fluid components used in such circuits, that are specially adapted for use with vehicles (excluding electric and hybrid vehicles);
- Specially adapted arrangements, devices, or fittings for the lubrication of vehicles;
- Specially adapted steps, or other vehicle components for supporting occupants (e.g. running boards), which are used by occupants when accessing vehicles or exterior portions of vehicles;
- Exterior components of vehicles primarily designed to protect vehicles (e.g. bumpers), or particular components of vehicles (e.g. radiator guards), from damage caused by impact with other vehicles or objects;
- Ornamental or functional vehicle components used in the finishing of vehicle bodies or interiors;
- Vehicle components used for the identification of vehicles or parts of vehicles;
- Devices mounted on or attached to vehicles, or modifications to the body components of vehicles, used for marketing or promotional purposes (e.g. advertising signs).

Vehicle components or parts of general utility that are for uses other than those specified above and that are not specially adapted for or restricted to usage with:

- vehicles provided for in another subclass of the class (B60) for this subclass; or
- a category of vehicle fully covered by subclasses providing for rail vehicles, waterborne vessels, aircraft, space vehicles, handcarts, cycles, animal-drawn vehicles or sledges.

## Relationships with other classification places

General relationship between [B60R](#) and other subclasses providing for devices or fittings for preventing injuries to passengers of vehicles.

[B60R](#) covers safety devices or fittings for preventing or reducing direct-impact type injuries to occupants of vehicles when they are specifically for the types of vehicles proper for class [B60](#) or are of general utility (i.e. usable on vehicles of several types). In addition to this, [B60R](#) covers air bags, seat belts or safety harnesses used in motor or rail-type vehicles of all types (i.e. land vehicles).

[B60P](#) covers safety devices for securing or bracing loads other than occupants on vehicles.

[B64D](#) (in particular [B64D 25/00](#)) covers safety devices or fittings for aircraft and, in particular, safety belts and harnesses used on aircraft.

[B63B](#) (in particular [B63B 23/00](#)) and [B63C](#) (in particular [B63C 9/00](#)) cover safety devices or fittings for boats or ships.

[A62B 35/00](#) covers safety belts or harnesses that are not used in vehicles or that are not limited to use in vehicles.

General relationship between [B60R](#) and other subclasses providing compartments, holding devices, or mounting devices in vehicles.

[B60R](#) includes vehicle compartments or holding devices for storing or mounting articles in a non-use position when they are of general utility or not specifically provided for in an appropriate subclass for the category of vehicle they are on. Normally the 'articles' stored or held are not the primary payload of the vehicle (see [B60P](#) reference) and are limited to stowed articles that are the personal property of their occupants (e.g. luggage, skis), used by their occupants when traveling (e.g. maps, flashlights), or used for vehicle maintenance (e.g. jacks, tools). The 'articles' stored or held may also be an essential or primary vehicle component of the types specified in the main group titles of [B60R](#) (e.g. mirrors, air bags). Moreover, [B60R](#) also provides for devices for holding or mounting other types of 'articles' in a use position, but only when the 'articles' held or mounted are not essential to the operation of the vehicle (e.g. ceiling/roof liner, radio) or are secondary-type vehicle components (e.g. electrical wiring for circuits).

Other vehicle subclasses provide for compartments or component mounting devices when they are structurally limited to use only with a specific vehicle type provided for elsewhere. The exception to this statement is for those essential or primary vehicle components that are expressly provided for in specific groups of [B60R](#) (e.g. vehicle mirrors, bumpers, seat belts). Other vehicle subclasses provide for compartments or component mounting devices when they are for housing, positioning, or holding 'articles' that are the distinguishing essential or primary operational components for their category of vehicle (e.g. curtain-forming nozzle for aircushion vehicle). However, in these situations, the operational components of vehicles must be useable in the held or housed position, or easily repositioned from a stored position to a position for use, for their primary purpose (e.g. [B62D 25/08](#) for engine compartments, [B60J 1/16](#) for vehicle windows slidable into non-use area of doors, [B60Q 1/05](#) for retractable vehicle head lights) versus merely being transported freight.

## References

### Limiting references

*This place does not cover:*

Fire prevention, containment, or extinguishing specially adapted for vehicles	<a href="#">A62C 3/07</a>
Cooling, heating, or ventilating devices for compartments that store goods within passenger vehicles	<a href="#">B60H 1/00</a>
Special receptacles, compartments or holders on vehicles for the refuse, food, beverages, or cigarettes of occupants	<a href="#">B60N 3/00</a>

Vehicles with living accommodations for people (e.g. caravans with closets or bathrooms)	<a href="#">B60P 3/32</a>
Vehicle safety devices for securing or bracing loads other than the occupants	<a href="#">B60P 7/06</a>

**Informative references**

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

Wheels and axles for vehicles	<a href="#">B60B</a>
Tyres for vehicles	<a href="#">B60C</a>
Vehicles for use both on rail and on road	<a href="#">B60F 1/00</a>
Vehicles for use on land and in or on water	<a href="#">B60F 3/00</a>
Vehicles convertible to travel in or on different media	<a href="#">B60F 5/00</a>
Vehicles predominantly for transporting loads	<a href="#">B60P</a>
Air-cushion vehicles	<a href="#">B60V</a>

**Special rules of classification**

In [B60R](#) an Indexing Code- classification is present with respect to the groups:

[B60R 1/00](#), [B60R 11/00](#), [B60R 13/00](#), [B60R 19/00](#), [B60R 21/00](#), [B60R 22/00](#), [B60R 25/00](#), [B60R 99/00](#).

**Glossary of terms**

*In this place, the following terms or expressions are used with the meaning indicated:*

direct-impact type injury	For drivers or passengers within a vehicle this consists of the types of injuries caused by a portion of an occupant's body striking a component that is within or encloses the passenger compartment of their vehicle (e.g. a bumper actuated air bag specifically protecting a passenger from hitting the steering wheel in contrast to an energy absorbing bumper protecting the vehicle ) and for non-occupants this consists of the types of injuries caused by a portion of a non-occupant's body striking an exterior component of a vehicle (e.g. a bumper actuated safety net catching a pedestrian prior to hitting the vehicle for specifically protecting the pedestrian in contrast to a flexible vehicle body part that is intended to resist damage due to any type of impact).
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vehicle	This term has been used with the following two variations in meaning within this subclass: (1) all varieties of apparatus (e.g. automobiles) intended to carry people or goods significant distances (e.g. between cities, to or from separate building complexes) across land, over water, or through the air except those restricted to one of the following types: rail vehicles, waterborne vessels, aircraft, space vehicles, hand carts, cycles, animal-drawn vehicles, or sledges. Moreover, the term "vehicle" also includes (i) vehicular characteristics which are common to more than one of the above-listed types of vehicles, (ii) certain characteristics restricted to automobiles, road trailers, or cross-country trailers, and (iii) all land vehicles having characteristics specifically adapted for occupant safety such as air bags, seat belts, or safety harnesses. (2) In some instances in this definition, the term "vehicle" has been qualified by another word which takes its meaning outside the scope of (1) above (e.g. "rail vehicle"), in such cases the word "vehicle" takes its broader dictionary meaning. The reader can determine from the context whether an occurrence of the word "vehicle" in this definition falls within the meaning stated in (1) or (2).
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## B60R 1/00

### **Optical viewing arrangements; Real-time viewing arrangements for drivers or passengers using optical image capturing systems, e.g. cameras or video systems specially adapted for use in or on vehicles**

#### **Definition statement**

*This place covers:*

All optical viewing arrangements which are not structurally restricted to the vehicular categories fully covered by subclasses provided for rail vehicles, waterborne vessels, aircraft, space vehicles, handcars, cycles, animal-drawn vehicles, or sledges.

This group covers mainly optical viewing arrangements for automobiles, busses and trucks.

The optical viewing arrangements provide an occupant of the vehicle with a generally realistic real time view of the vehicle or the surroundings of the vehicle.

The subclass covers mirror, periscope and lens arrangements ([B60R 1/001](#) – [B60R 1/1207](#)) as well as viewing arrangements using displays and cameras specially adapted for use in a vehicle ([B60R 1/00](#) – [B60R 1/31](#)).

In the case of viewing arrangements using displays and cameras both the display and the camera arrangement have to be present and the real time picture has to be displayed to the occupant (see also further subdivision under Indexing Code scheme [B60R 2300/00](#)). Aspects for [B60R 1/00](#):

- Improvement of driver's vision
- Enhancement of driver's scene perception and understanding
- Details of presentation of scene information

#### **Relationships with other classification places**

Viewing arrangements using displays and cameras specially adapted for use in a vehicle falling under [B60R 1/00](#) as general application overlap with group [B62D 15/0275](#) for parking aids, comprising e.g. means to overlay a vehicle path based on present steering angle over an image without processing that image.

## References

### Informative references

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

Holding or mounting of TV sets or the like in vehicles	<a href="#">B60R 11/02</a>
Mounting of vehicle cameras operative during drive	<a href="#">B60R 11/04</a>
House mirrors and spies	<a href="#">A47G 1/00</a>
Antiglare equipment, e.g. polarising, for windscreens or windows	<a href="#">B60J 3/00</a>
Conjoint control of vehicle sub-units for automatic manoeuvring for parking	<a href="#">B60W 30/06</a>
Vehicle drive control systems for autonomous road vehicles	<a href="#">B60W 60/00</a>
Steering position indicators	<a href="#">B62D 15/02</a>
Visual aids for tractors	<a href="#">B62D 49/0614</a>
Mapping or imaging using measurements systems such as radar, sonar or lidar	<a href="#">G01S 13/89</a> , <a href="#">G01S 15/89</a> , <a href="#">G01S 17/89</a>
Optical mirrors	<a href="#">G02B 5/08</a>
Camera and display systems where the display does not display a generally realistic real time picture i.e. where it displays a symbol or an alarm	<a href="#">G08B</a>
Closed-circuit televisions [CCTV] systems	<a href="#">H04N 7/18</a>
Ohmic heating arrangements specially adapted for transparent or reflecting areas, e.g. for demisting or de-icing windows, mirrors or vehicle windshields	<a href="#">H05B 3/84</a>

### Special rules of classification

There is an Indexing Code [B60R 1/00](#) when the inventive information of the document does not suffice for the subclass [B60R 1/00](#) and there is a further Indexing Code subdivision scheme to be found under [B60R 2300/00](#) applicable under [B60R 1/00](#) when classifying viewing arrangements using displays and cameras specially adapted for use in a vehicle.

The subject-matter relating to viewing arrangements using displays and cameras specially adapted for use in a vehicle which falls under [B60R 1/00](#) covers the functionalities of the viewing arrangements with respect to the adaptation to the vehicle and the occupant.

Parts of the system, for example camera optics, image processing, object detection, decision making means or display hardware details, are black boxes and therefore should not be a core aspect of the invention. If the invention concerns just the implementation of these black boxes no class should be given in [B60R 1/00](#).

Subject-matter related solely to the implementation of specific functions or functionalities as such, i.e. image transformation as such is not classified in [B60R 1/00](#) nor in the related [B60R 2300/00](#) scheme.

The Indexing Codes below [B60R 2300/80](#) are given in case the intended use of the viewing arrangement is specific to the technical solution. Mere mentioning of possible uses should not automatically lead to an Indexing Code.

## B60R 1/12

### Mirror assemblies combined with other articles, e.g. clocks

#### Definition statement

*This place covers:*

Mirror assemblies forming an unit with other articles, e.g. clocks, radio receivers, cameras

#### Special rules of classification

There is an Indexing Code subdivision scheme to be found under [B60R 1/12](#) applicable when classifying under [B60R 1/12](#) and [B60R 1/1207](#). The related subject-matter may be of interest to be classified as well in the related technical field for mirror assemblies with lamps or turn indicators in [B60Q](#) Vehicle lighting or signalling.

Further classification entries may be given in [B60Q](#) according to aspects of signalling.

## B60R 1/1207

{with lamps; with turn indicators}

#### Special rules of classification

Further classification entries may be given in [B60Q](#) according to aspects of signalling.

## B60R 2001/1215

{with information displays}

#### Definition statement

*This place covers:*

An information display is displaying symbols, letters, icons etc.

#### References

##### Limiting references

*This place does not cover:*

Video screens etc. Such displays fall under	<a href="#">B60R 2001/1253</a>
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## B60R 1/28

with an adjustable field of view

#### References

##### Informative references

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

Devices for controlling cameras	<a href="#">H04N 23/60</a>
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## B60R 1/30

providing vision in the non-visible spectrum, e.g. night or infrared vision

### References

#### Informative references

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

Televisions systems using infrared light	<a href="#">H04N 5/33</a>
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## B60R 1/31

providing stereoscopic vision

### References

#### Informative references

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

Stereoscopic displays for measurement system such as radar, sonar or lidar	<a href="#">G01S 7/20</a>
Image signal generators using stereoscopic image cameras	<a href="#">H04N 13/204</a>

## B60R 3/00

Arrangements of steps {or ladders facilitating access to or on the vehicle}, e.g. running-boards ({construction of steps for railway vehicles [B61D 23/00](#)} ; ladders [E06C](#))

### Definition statement

*This place covers:*

Arrangements of steps or ladders facilitating access to or on the vehicle, e.g. running-boards. The steps are adapted for use with a vehicle or combined with a vehicle.

### References

#### Informative references

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

Construction of steps for railway vehicles <a href="#">B61D 23/00</a>	<a href="#">B61D 23/00</a>
Ladders	<a href="#">E06C</a>

### Special rules of classification

In case the construction of steps for railway vehicles is obviously applicable or mentioned as applicable to a vehicle within [B60R](#) the document is as well classified under [B60R](#).

Warning: The IPC subclass **B62D25/22** covering running-boards, steps, or the like, as superstructure sub-unit is not implemented in ECLA.

## B60R 3/007

**{Removable steps or ladders, e.g. foldable (as access means for vehicle tops [B60R 3/005](#))}**

### Definition statement

*This place covers:*

Removable steps or ladders where the removable step or ladder is specially adapted for use with a vehicle or the vehicle is adapted for the provision of a removable step or ladder.

### Relationships with other classification places

Steps, ladders or ramps without being adapted for use with a vehicle or without being combined with the vehicle are classified in [B65G](#), [E06C](#) or [E04F](#).

In case the removable step or ladder is provided for allowing access of animals a related entry in [A01K](#) (i.e. [A01K 1/035](#)) may be applicable.

### References

#### Informative references

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

Auxiliary measures taken, or devices used, in connection with preventing, minimising, or fighting fire	<a href="#">A62C</a>
Auxiliary measures taken, or devices used, in connection with loading or unloading	<a href="#">B65G 69/00</a>
Non-permanently installed loading ramps, e.g. transportable	<a href="#">B65G 69/30</a>
Loading ramps as road or railway equipment	<a href="#">E01F 1/00</a>

## B60R 5/00

**Compartments within vehicle body primarily intended or sufficiently spacious for trunks, suit-cases, or the like (primarily intended for stowing loads in load-transporting vehicles [B60P](#); arrangements for stowing spare wheels [B62D 43/00](#))**

### Definition statement

*This place covers:*

Compartments within vehicle body primarily intended or sufficiently spacious for trunks suitcases or the like.

### References

#### Limiting references

*This place does not cover:*

Compartments within a vehicle body primarily intended for stowing loads in load transporting vehicles	<a href="#">B60P</a>
Arrangements for stowing or holding spare wheels	<a href="#">B62D 43/00</a>

## Special rules of classification

In case the luggage compartment as such is provided with additional elements or specially adapted for stowing or organising as well property smaller than suit-cases the subject-matter would generally be classified in one of the subclasses [B60R 5/00](#) - [B60R 5/04](#) for the compartment and additionally in [B60R 7/02](#) for the adaptations regarding the feature "property smaller than a suitcase".

## B60R 7/00

**Stowing or holding appliances inside vehicle primarily intended for personal property smaller than suit-cases, e.g. travelling articles, or maps (for radio sets, television sets, telephones or the like, mounting of cameras operative during drive, tools, or spare parts [B60R 11/00](#); for receptacles for refuse, food, beverages, cigarettes [B60N](#))**

### Definition statement

*This place covers:*

Stowing or holding appliances inside vehicle primarily intended for personal property smaller than suit-cases, e.g. travelling articles, or maps (for radio sets, television sets, telephones or the like, mounting of cameras operative during drive, tools, or spare parts [B60R 11/00](#) ; for receptacles for refuse, food, beverages, cigarettes [B60N 3/00](#)).

The personal property smaller than suit-cases is meant to be easily removed from the stowing or holding appliance.

Examples of travelling articles falling under [B60R 7/00](#) are mentioned in the subgroup titles of [B60R 7/081](#) - [B60R 7/14](#).

### References

#### Limiting references

*This place does not cover:*

Arrangements for holding or mounting radio sets, television sets, telephones	<a href="#">B60R 11/02</a>
Arrangements for mounting cameras operative during drive	<a href="#">B60R 11/04</a>
Arrangements for stowing or holding tools or spare parts	<a href="#">B60R 11/06</a>
Arrangements or adaptations for receptacles for refuse, food, beverages, cigarettes	<a href="#">B60N 3/00</a>

## Special rules of classification

Holding appliances covered under [B60R 7/00](#) may be additionally relevant to be classified in [B60R 11/00](#) if as well applicable for holding or mounting articles which are not generally falling under the generic label of travelling articles.

### [B60R 7/02](#)

In case the luggage compartment as such is provided with additional elements or specially adapted for stowing or organizing as well property smaller than suit-cases the subject-matter would generally be classified in [B60R 5/04](#) for the compartment and additionally in [B60R 7/02](#) for the adaptations regarding the smaller than a suitcase property.

## B60R 7/08

**Disposition of racks, clips {, holders, containers} or the like {for supporting specific articles ([B60R 7/005](#) takes precedence)}**

### Definition statement

*This place covers:*

The disposition of racks, clips, holders, containers or the like for supporting specific articles as far as the racks or clips allow for the general support of travelling articles generally falling under the travelling articles mentioned in [B60R 7/081](#) - [B60R 7/14](#).

### Special rules of classification

If as well applicable for holding or mounting articles which are not generally falling under the generic label of travelling articles covered by [B60R 7/00](#), the disposition of racks, clips, holders, containers or the like for supporting specific articles may be additionally relevant to be classified in [B60R 11/00](#).

## B60R 9/05

**Carriers characterised by wind deflecting means (wind deflectors for open roofs [B60J 7/22](#))**

### Definition statement

*This place covers:*

Carriers associated with vehicle roof and characterised by wind deflecting means.

### References

#### Informative references

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

Wind deflectors for open roofs	<a href="#">B60J 7/22</a>
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## B60R 9/06

**at vehicle front or rear {(rear luggage compartments within vehicle extensible externally of the vehicle body [B60R 5/041](#))}**

### References

#### Informative references

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

Vehicles specially adapted for carrying aeroplanes, for carrying boats	<a href="#">B60P</a>
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### Special rules of classification

Supplementary fittings on vehicle exterior for carrying loads at the vehicle front or rear including specific aspects for the mounting of sports gear are classified as well in one of the groups [B60R 9/08](#), [B60R 9/10](#) or [B60R 9/12](#).

Devices specially adapted for sports gear falling under [B60R 9/08](#), [B60R 9/10](#), [B60R 9/12](#) are classified as well in [B60R 9/06](#) or [B60R 9/065](#) if general provisions relevant to all kinds of loads are considered to be part of the essential inventive information.

## B60R 11/00

### Arrangements for holding or mounting articles, not otherwise provided for

#### Definition statement

*This place covers:*

Arrangements for holding or mounting articles not otherwise provided for.

The subject-matter has to involve specific features specially adapted for use in a vehicle, i.e. requiring the adaptation of the vehicle or the adaptation of the mounting or holding arrangement to the vehicle, or specific features solving a specific vehicle related problem.

#### Relationships with other classification places

Supports for holding and mounting which do not require an adaptation of the vehicle or which do not solve a specific vehicle related problem are covered under [F16M](#) or the related device groups of the concerned device.

#### References

##### Limiting references

*This place does not cover:*

Vehicle storage compartments for roof parts	<a href="#">B60J 7/20</a>
Arrangements or adaptations of other passenger fittings for receptacles for refuse, e.g. ash-trays; for receptacles for food or beverages, e.g. refrigerated for receptacles for cigarettes or the like; for electrically-heated lighters; for cooking or boiling devices; for drinking-water dispensing devices	<a href="#">B60N 3/00</a>
Arrangements for stowing or holding spare wheels	<a href="#">B62D 43/00</a>
Arrangements for holding or mounting of aerials	<a href="#">H01Q 1/00</a>

##### Informative references

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

Stowing or holding appliances inside of vehicle primarily intended for personal property smaller than suit-cases, e.g. travelling articles, or maps	<a href="#">B60R 7/00</a>
Supplementary fittings on vehicle exterior for carrying loads, e.g. luggage, sports gear or the like	<a href="#">B60R 9/00</a>

#### Special rules of classification

Further classifications for additional information is given by Indexing Code-scheme in [B60R 11/00](#).

The Indexing Code's of [B60R 11/00](#) are not meant to be used to classify aspects falling exclusively under other [B60R](#) classes. A similar parallel Indexing Code-system may be implemented later for example with respect to [B60R 7/00](#).

## B60R 11/02

**for radio sets, television sets, telephones, or the like; Arrangement of controls thereof**

### Definition statement

*This place covers:*

Arrangements for holding or mounting radio sets, television sets, telephones or the like.

The subject-matter has to involve specific features specially adapted for use in a vehicle.

### Relationships with other classification places

- Arrangements for holding or mounting for loudspeakers (or microphone transducers or earphones) which do not require an adaptation of the vehicle or which do not solve a specific vehicle related problem are classified in [H04R 1/025](#), [H04R 7/04](#), and [H04R 7/18](#) ([H04R 1/08](#) or [H04R 1/105](#))
- Transducer mountings or enclosures modified by provision of mechanical or acoustic impedances, e.g. resonator, damping means are classified in [H04R 1/28](#)
- Stereophonic spatial arrangements of loudspeakers (of microphones) are classified in [H04R 5/02](#) ([H04R 5/027](#))

### Special rules of classification

See attachment A1 : Further details concerning loudspeakers or microphones.

## B60R 11/0205

{for radio sets ([B60R 11/0211](#) takes precedence)}

### Definition statement

*This place covers:*

Arrangements for holding or mounting radio sets.

The subject-matter has to involve specific features specially adapted for use in a vehicle.

### Relationships with other classification places

[H04B 1/00](#) takes precedence where the constructional details, e.g. the cabinet is concerned and the holding or mounting means for the radio do not require an adaptation of the holding or mounting means at the vehicle and where no specific vehicle related problem is solved.

### References

#### Limiting references

*This place does not cover:*

Constructional details, e.g. cabinets of receivers to be used in vehicles	<a href="#">H04B 1/082</a>
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## B60R 11/0217

{for loud-speakers}

### Definition statement

*This place covers:*

Arrangements for holding or mounting loud speakers.

The subject-matter has to involve specific features specially adapted for use in a vehicle.

### **Relationships with other classification places**

Arrangements for holding or mounting for loudspeakers (or microphone transducers or earphones) which do not require an adaptation of the holding or mounting means at the vehicle or which do not solve a specific vehicle related problem are classified in [H04R 1/025](#), [H04R 7/04](#), and [H04R 7/18](#) ([H04R 1/08](#) or [H04R 1/105](#))

### **References**

#### **Limiting references**

*This place does not cover:*

Details of transducers	<a href="#">H04R 1/00</a>
Casings; Cabinets; Supports therefore; Mountings therein	<a href="#">H04R 1/02</a>

## **B60R 11/0241**

{for telephones}

### **Definition statement**

*This place covers:*

Arrangements for holding or mounting telephones.

The subject-matter has to involve specific features specially adapted for use in a vehicle.

### **Relationships with other classification places**

[H04M 1/00](#) takes precedence where the holding or mounting means for telephone transmitters or receivers (for transducers in general [H04R 1/00](#)) do not require an adaptation of the holding or mounting means at the vehicle and where no specific vehicle related problem is solved.

### **References**

#### **Limiting references**

*This place does not cover:*

Constructional features of supports for telephone transmitters or receivers	<a href="#">H04M 1/04</a>
For transducers in general	<a href="#">H04R 1/00</a>

## **B60R 11/0247**

{for microphones or earphones}

### **Definition statement**

*This place covers:*

Arrangements for holding or mounting microphones or earphones.

The subject-matter has to involve specific features specially adapted for use in a vehicle.

## Relationships with other classification places

Arrangements for holding or mounting microphone transducers or earphones which do not require an adaptation of the holding or mounting means at the vehicle or which do not solve a specific vehicle related problem are classified in [H04R 1/08](#) or [H04R 1/105](#).

## References

### Limiting references

*This place does not cover:*

Mouthpieces; Attachments therefore	<a href="#">H04R 1/08</a>
Earpiece supports, e.g. ear hooks	<a href="#">H04R 1/105</a>

## B60R 11/0258

{for navigation systems}

## Definition statement

*This place covers:*

Arrangements for holding or mounting navigation systems to the vehicle.

The subject-matter has to involve specific features specially adapted for use in a vehicle.

## Relationships with other classification places

[G01C 21/00](#) takes precedence where holding or mounting means for the navigation system do not require an adaptation of the support at the vehicle and where no specific vehicle related problem is solved.

## References

### Limiting references

*This place does not cover:*

Navigational instruments	<a href="#">G01C 21/00</a>
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## B60R 11/04

**Mounting of cameras operative during drive; Arrangement of controls thereof relative to the vehicle**

## References

### Informative references

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

Cameras	<a href="#">G03B</a>
Analysis of captured images to determine intrinsic or extrinsic camera parameters, i.e. camera calibration	<a href="#">G06T 7/80</a>
Details of embedded television cameras	<a href="#">H04N 23/57</a>

### Special rules of classification

Attention is drawn to the situation that an agreement on where other systems, arrangements or procedures for aligning cameras with the vehicle should be classified has not been reached. These documents are at the moment classified in [B60R 11/04](#) concerning the aspect of mounting to the vehicle.

## B60R 11/06

for tools or spare parts (for vehicle roof parts [B60J 7/20](#); for spare wheels [B62D](#))

### Definition statement

*This place covers:*

Arrangements for holding or mounting tools or spare parts.

### References

#### Limiting references

*This place does not cover:*

Spare wheel stowing, holding, or mounting arrangements	<a href="#">B62D 43/00</a>
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## B60R 13/00

Elements for body-finishing, identifying, or decorating; Arrangements or adaptations for advertising purposes

### Definition statement

*This place covers:*

Elements for body-finishing, identifying or decorating ; Arrangements or adaptations for advertising purposes.

### References

#### Limiting references

*This place does not cover:*

Labels, tag tickets, or similar identification or indication means	<a href="#">G09F 3/00</a>
Mobile visual advertising by land vehicles	<a href="#">G09F 21/04</a>

#### Informative references

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

Signs, name or number plates, letters, numerals, or symbols	<a href="#">G09F 7/00</a>
Illuminated signs; Luminous advertising	<a href="#">G09F 13/00</a>

### Special rules of classification

Further classifications are given under the Indexing Code-scheme in [B60R 13/00](#). Layered products are classified as well in [B32B](#). Manufacturing aspects in [B29](#).

## B60R 13/02

{Internal} Trim mouldings {; Internal} Ledges; Wall liners {for passenger compartments}; Roof liners ([B60R 13/01](#) takes precedence {; padded linings for the vehicle interior [B60R 21/04](#); arrangements or adaptations of floor mats or carpets in vehicles [B60N 3/04](#); internal lining for trains [B61D 17/18](#)})

### Definition statement

*This place covers:*

Internal trim mouldings and liners inside the vehicle used to improve the external appearance of the related underlying elements.

## B60R 13/0262

{Mid-console liners}

### Definition statement

*This place covers:*

Liners of mid-consoles, where the mid-console is either connected to the instrument panel or a separate console between the seats, and is not restricted to the front seats.

A gear shifter trim moulding is not considered as such a mid console but could be a part of one.

### References

#### Informative references

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

The mid console aspects related to control elements, instruments or mounting to the dashboard are covered in [B60K](#). The mid-console is classified as part of a seat or concerning items of [B60N](#) in [B60N](#). The mid-console is classified concerning aspects of holding or stowing travelling articles in [B60R 7/04](#).

## B60R 13/04

{External} Ornamental or guard strips; Ornamental inscriptive devices {thereon (fastening strips or bars to sheets or plates by means of clips [F16B 5/12](#))}

### Definition statement

*This place covers:*

External ornamental or guard strips, the guard strips meant to prevent scratches, e.g. from opening car doors.

### References

#### Limiting references

*This place does not cover:*

Internal ornamental or guard strips which are classified as part of the internal trim mouldings or wall liners.	<a href="#">B60R 13/02</a>
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## B60R 13/07

Water drainage or guide means not integral with roof structure ([B60R 13/06](#), [B60J 10/25](#)) take precedence; {integral with roof structure [B62D 25/07](#); drainage openings having movable or removable closures [B62D 25/24](#)}

### Special rules of classification

Warning: The IPC subclass [B62D25/13](#) covering water deflectors for bonnets or lids is not implemented in ECLA. The water deflectors for bonnets or lids are classified in [B62D 25/12](#) as parts or details of bonnets or lids or lids.

## B60R 15/00

### Arrangements or adaptations of sanitation devices

#### References

##### Informative references

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

Wheeled closets without flushing	<a href="#">A47K 11/00</a>
Wheeled lavatories	<a href="#">E03D 7/00</a>

## B60R 16/00

Electric or fluid circuits specially adapted for vehicles and not otherwise provided for; Arrangement of elements of electric or fluid circuits specially adapted for vehicles and not otherwise provided for {(devices for protecting vehicle occupants in case of accidents [B60R 21/00](#); safety belts [B60R 22/00](#); central door locking [E05B 49/00](#), [E05B 77/50](#))}

### Definition statement

This place covers:

- Electric circuits and devices specially adapted for vehicles and not otherwise provided for; Arrangement of elements of electric circuits specially adapted for vehicles and not otherwise provided for.
- Wire harnesses for vehicles and electric power networks for vehicles.

#### References

##### Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Devices for protecting vehicle occupants in case of accident	<a href="#">B60R 21/00</a>
Safety belts (controllers and actuators)	<a href="#">B60R 22/00</a>
Central door locking	<a href="#">E05B 49/00</a>

**Informative references**

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

Tires with transponders	<a href="#">B60C 23/0408</a>
Vehicle windows as such	<a href="#">B60J 1/00</a>
Vehicle non-fixed roofs as such	<a href="#">B60J 7/00</a>
Safety devices responsive to the conditions of the driver (antisleeping systems)	<a href="#">B60K 28/02</a>
Power supply within electric vehicles	<a href="#">B60L 50/00</a> - <a href="#">B60L 58/00</a>
Vehicle seats	<a href="#">B60N 2/00</a>
Vehicle lighting devices + switches therefor	<a href="#">B60Q 1/00</a>
Horn in (electric) vehicles	<a href="#">B60Q 5/00</a>
Control of hybrid vehicles	<a href="#">B60W 20/00</a>
Avoiding collision	<a href="#">B60W 30/08</a>
Path/Lane keeping	<a href="#">B60W 30/10</a>
Cruise control	<a href="#">B60W 30/14</a>
Automatic parking	<a href="#">B62D 15/0285</a>
Cable band (Kabelbinder)	<a href="#">F16L 3/00</a>
Regulating voltage or current	<a href="#">G05F 1/10</a>
Diagnosis and maintenance	<a href="#">G07C 5/00</a>
Wire harness in general	<a href="#">H01B 7/365</a>
Solar cells per se	<a href="#">H01L 27/14</a>
Construct. details of batteries + Fixing of bat on vehicles ( <a href="#">H01M 50/249</a> )	<a href="#">H01M 50/00</a>
Connectors (/KW airbags; hybrid vehicles) per se	<a href="#">H01R 3/00</a>
Junction boxes per se	<a href="#">H02G 3/00</a>
Grommets / cables through walls in general (buildings)	<a href="#">H02G 3/22</a>
Charging and discharging of batteries	<a href="#">H02J 7/00</a>
Emergency power or standby power circuits	<a href="#">H02J 9/04</a> - <a href="#">H02J 9/06</a>
DC/DC converters	<a href="#">H02M 3/00</a>
Databus systems in vehicles	<a href="#">H04L 65/40</a>
LED driver	<a href="#">H05B 44/00</a>

**B60R 17/00**

**Arrangements or adaptations of lubricating systems or devices (lubricating in general [F16N](#))**

**Definition statement**

*This place covers:*

Arrangements or adaptations of lubricating systems or devices in general as far as the lubricating system or device is not part of or covered in relation with a specific sub-unit integrated in the vehicle, i.e. motor, gear system etc.

Systems, e.g. central lubrication systems not related to a specific sub-unit providing lubrication to different points of use.

## References

### Informative references

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

Lubricating in general	<a href="#">F16N</a> , <a href="#">B60R 17/02</a>
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## B60R 19/00

Wheel guards; Radiator guards, {e.g. grilles}; Obstruction removers; Fittings damping bouncing force in collisions ({reinforcement elements for side doors [B60J 5/0412](#); } mudguards [B62D](#))

## References

### Limiting references

This place does not cover:

Mudguards or wings	<a href="#">B62D 25/16</a>
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## Special rules of classification

Further classification entries are given under the Indexing Code-scheme in [B60R 19/00](#).

## B60R 19/02

Bumpers, i.e. impact receiving or absorbing members for protecting vehicles or fending off blows from other vehicles or objects ({[B60R 19/56](#) takes precedence; initiating brake action by contact of bumper with an external object [B60T 7/22](#); for rail vehicles [B61F 19/04](#); safety equipment for cycles [B62J 27/00](#);} integral with waterborne vessels or specially adapted therefor [B63B 59/02](#))

## References

### Limiting references

This place does not cover:

Bumpers for damping bouncing force in truck collisions	<a href="#">B60R 19/56</a>
Initiating brake action by contact of bumper with an external object	<a href="#">B60T 7/22</a>
Bumpers for rail vehicles	<a href="#">B61F 19/04</a>
Safety equipment, e.g. crash bars, for cycles	<a href="#">B62J 27/00</a>
Fenders integral with waterborne vessels or specially adapted therefor	<a href="#">B63B 59/02</a>

## B60R 19/023

### {Details}

#### Definition statement

*This place covers:*

Details of bumpers like openings in the fascia for allowing towing, provisions for mounting additional elements or fittings not otherwise provided for.

## B60R 19/20

containing {mainly} gas or liquid, e.g. inflatable (connection of valves to inflatable elastic bodies [B60C 29/00](#))

#### Definition statement

*This place covers:*

Inflatable means containing gas or liquid within the bumper, eg. bumper bags, to absorb impact

#### References

##### Informative references

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

Arrangements of tyre-inflating valves to tyres or rims	<a href="#">B60C 29/00</a>
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#### Special rules of classification

Documents with particular relevance to pedestrian protection should additionally be classified in [B60R 21/36](#)

## B60R 19/34

destroyed upon impact, e.g. one-shot type

#### Definition statement

*This place covers:*

The one-shot type mounting means destroyed upon impact are typically separate crash-box units used to connect the bumper to the vehicle structure.

#### References

##### Informative references

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

Vehicle understructures, i.e. chassis frame having impact absorbing means, e.g. a frame designed to permanently or temporarily change shape or dimension upon impact with another body	<a href="#">B62D 21/15</a>
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#### Special rules of classification

The shock-absorbers as such using plastic deformation of members are classified only in [F16F 7/12](#) if no specific bumper related disclosure is present.

## B60R 19/50

### with lights or registration plates

#### Definition statement

*This place covers:*

Where the bumper arrangement as such has features specifically adapted for the combination with the lights or registration plates.

#### Special rules of classification

The registration plates provided with mounting means are classified in [B60R 13/105](#). The vehicle lights as such fall under [B60Q](#).

## B60R 21/00

Arrangements or fittings on vehicles for protecting or preventing injuries to occupants or pedestrians in case of accidents or other traffic risks (safety belts or body harnesses in vehicles [B60R 22/00](#); devices, apparatus or methods for life-saving in general [A62B](#); safety devices for propulsion unit control specially adapted for, or arranged in, vehicles [B60K 28/00](#); seats constructed to protect the occupant from the effect of abnormal g-forces, e.g. crash or safety seats, [B60N 2/42](#); energy-absorbing arrangements for hand wheels for steering vehicles [B62D 1/11](#); energy-absorbing arrangements for vehicle steering columns [B62D 1/19](#); harnessing in aircraft [B64D 25/00](#))

#### Definition statement

*This place covers:*

- Vehicles of this subclass that include specially adapted arrangements, devices, or fittings attachable to or forming part of vehicles for either:
- Preventing or reducing direct-impact type injuries to occupants of vehicles (e.g. air bags),
- Otherwise directly protecting occupants of vehicles (e.g. from a physical attack), or
- Preventing or reducing direct-impact type injuries to people that are not occupying vehicles (e.g. bumper mounted pedestrian air bags).

#### References

##### Limiting references

*This place does not cover:*

Safety belts or body harnesses in vehicles	<a href="#">B60R 22/00</a>
Safety devices for propulsion unit control specially adapted for, or arranged in, vehicles	<a href="#">B60K 28/00</a>
Crash or safety seats constructed to protect the occupant from the effect of abnormal g-forces	<a href="#">B60N 2/42</a>
Energy-absorbing arrangements for hand wheels for steering vehicles	<a href="#">B62D 1/11</a>
Energy-absorbing arrangements for vehicle steering columns	<a href="#">B62D 1/19</a>
Safety devices or fittings for aircraft and, in particular, safety belts and harnesses used on aircraft	<a href="#">B64D 25/00</a>

**Informative references**

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

Apparatus or methods for life-saving in general	<a href="#">A62B</a>
Safety devices for propulsion unit control specially adapted for, or arranged in, vehicles	<a href="#">B60K 28/00</a>
Safety devices for securing or bracing loads other than occupants on vehicles	<a href="#">B60P</a>
Safety devices or fittings for aircraft and, in particular, safety belts and harnesses used on aircraft	<a href="#">B64D 25/00</a>

**B60R 21/01**

Electrical circuits for triggering {passive} safety arrangements, {e.g. airbags, safety belt tighteners,} in case of vehicle accidents or impending vehicle accidents {(electrical circuits for transmission of signals between steering wheel and the vehicle itself [B60R 16/027](#); for electrically actuating belt retractor locking means [B60R 22/343](#))}

**Definition statement**

*This place covers:*

Electric circuits for triggering safety arrangements. These circuits comprise mainly three functional blocks: a) detection (sensors), b) decision (CU) and c) actuating.

**References****Limiting references**

*This place does not cover:*

Pyrotechnic as such	<a href="#">F42B 3/00</a>
Accelerometers as such	<a href="#">G01P 15/00</a>

**Special rules of classification**

Use of the Indexing Code-scheme, see end of this document.

**B60R 21/013**

including means for detecting collisions, impending collisions or roll-over

**Definition statement**

*This place covers:*

Electrical circuits for triggering passive safety arrangements, e.g. airbags, safety belt tighteners, in case of vehicle accidents or impending vehicle accidents

## References

### Informative references

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

predicting or avoiding probable or impending collision, or attempting to minimise its consequences	<a href="#">B60W 30/08</a>
inclination sensors per se	<a href="#">G01C 9/00</a>
acceleration sensors per se	<a href="#">G01P 15/00</a>
radar systems per se	<a href="#">G01S 13/00</a>
inertia switches per se	<a href="#">H01H 35/14</a>

### Special rules of classification

In addition to groups [B60R 21/013](#) and subgroups, indexing codes from the group ranges [B60R 2021/01006](#) – [B60R 2021/01293](#), [B60R 2021/01302](#) – [B60R 2021/01317](#), [B60R 2021/01322](#) – [B60R 2021/01327](#) and [B60R 2021/01345](#) should be allocated for additional information as necessary, i.e., when it is beneficial for search and examination.

## B60R 21/01336

{using filtering}

### Definition statement

*This place covers:*

For example, Isolation of a particular frequency or frequencies which characterise the event; involves more than mere filtering of a noisy input signal.

## B60R 21/01338

{using vector analysis}

### Definition statement

*This place covers:*

The magnitude and direction of vehicle motion parameters are evaluated to characterise or classify the nature of a collision or roll-over event.

## B60R 21/015

**including means for detecting the presence or position of passengers, passenger seats or child seats {, and the related safety parameters therefor, e.g. speed or timing of airbag inflation in relation to occupant position or seat belt use}**

### Definition statement

*This place covers:*

Systems or methods for triggering safety devices whereby the presence, the position or size of a passenger or a child seat is being detected AND this information is used to adapt the control of the safety devices.

Examples:

## Definition statement

- inhibiting the actuation of safety devices in case of empty seats (no passenger present), the presence of child seats, etc.
- the out of position (OOP) of a passenger: when a passenger is not in its normal sitting position (e.g. leaning forward or aside), an actuated safety device (airbag, safety belt tensioner) may hurt or injure the passenger, therefore the actuation of the safety device has to be adapted by means of reducing the speed or pressure of the actuation device, or in severe cases inhibit the actuation.
- passenger classification systems which distinguish between child and adult, small and large adult or similar criteria.

### Relationships with other classification places

Where the detecting means are part of the vehicle seat, [B60N 2/00](#) which provides for seats specially adapted for vehicles, should be considered.

### References

#### Informative references

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

Vehicle seats	<a href="#">B60N 2/00</a>
Vehicle seats or children seats in vehicles	<a href="#">B60N 2/28</a>
Vehicle seat heating systems	<a href="#">B60N 2/56</a>
Force or pressure sensors per se	<a href="#">G01L</a>

## B60R 21/01558

{monitoring crash strength}

### References

#### Informative references

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

Crash strength monitoring combined with passenger detection	<a href="#">B60R 21/0136</a>
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## B60R 21/02

Occupant safety arrangements or fittings {, e.g. crash pads (seat belts with crash pads [B60R 22/14](#); removable children's seats having a front guard or barrier [B60N 2/2839](#))}

### Definition statement

*This place covers:*

Occupant safety guards or fittings. In general the occupant is supposed to come into contact with the safety element or the safety element provides a safety barrier next to the occupant.

### Special rules of classification

Actively deployed elements not being covered by the groups below [B60R 21/02](#) are classified in [B60R 21/02](#).

## B60R 21/16

**Inflatable occupant restraints or confinements designed to inflate upon impact or impending impact, e.g. air bags ({protective garments with automatically inflatable shock-absorbing means [A41D 13/018](#); } connection of valves to inflatable elastic bodies [B60C 29/00](#))**

### Definition statement

*This place covers:*

Inflatable occupant restraints or confinements designed to inflate upon impact or impending impact, e.g. air bags.

From the subgroup [B60R 21/20](#) to the subgroup [B60R 21/2176](#) subject-matter related to the storage of the inflatable member.

From the subgroup [B60R 21/23](#) to the subgroup [B60R 21/239](#) the inflatable member as such.

From the subgroup [B60R 21/26](#) to the subgroup [B60R 21/33](#) subject-matter related to the inflation fluid source of the inflatable member.

### References

#### Limiting references

*This place does not cover:*

Hydro-pneumatic adjustments of the shape of seats specially adapted for vehicles	<a href="#">B60N 2/914</a>
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#### Informative references

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

Seats having anti-submarining systems	<a href="#">B60N 2/42</a>
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### Special rules of classification

The classification is oriented towards the inventive information. A curtain airbag is not classified in the group for curtain airbags [B60R 21/232](#) if the inventive information is generally related to the mounting place in the vehicle roof frame [B60R 21/213](#). If certain aspects of the bag itself are considered as being relevant for additional information an Indexing Code is preferably used, in this case for the additional information related to the curtain air bag. In case both aspects, the mounting place and the air bag construction, are relevant both classifications are given.

## B60R 21/207

### in vehicle seats

#### Definition statement

*This place covers:*

arrangements for storing inflatable members inside seats. In general the arrangements relating to the fixing or mounting to or in the seat are covered.

## References

### Informative references

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

Seats or parts thereof displaced during a crash involving residual deformation with anti-submerging systems	<a href="#">B60N 2/42718</a>
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## Special rules of classification

Inflatable members specially adapted for side protection as such which are seat mounted but where no specific disclosure related to the fixing of the inflatable member is present are not classified under [B60R 21/207](#), but only under [B60R 21/231](#) with the Indexing Code [B60R 2021/23146](#).

## B60R 21/21

in vehicle side panels, e.g. doors (pillar mounted arrangements [B60R 21/213](#))

### Definition statement

*This place covers:*

Air bags in vehicle side panels, e.g. doors.

## References

### Informative references

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

Pillars, vehicle roof frames are not considered to form part of the side panels.

Vehicle roof frames or pillars	<a href="#">B60R 21/213</a>
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## B60R 21/34

Protecting non-occupants of a vehicle, e.g. pedestrians {([B60R 19/02](#) takes precedence)}

### Definition statement

*This place covers:*

Adaptation of vehicle elements for protecting pedestrians.

## References

### Limiting references

*This place does not cover:*

Bumpers, i.e. impact receiving or absorbing members for protecting vehicles or fending off blows from other vehicles or objects	<a href="#">B60R 19/02</a>
Locks for car bonnets with safety means for pedestrians	<a href="#">E05B 77/08</a>

## B60R 21/36

### using airbags

#### References

##### *Informative references*

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

Bumpers containing mainly gas or liquid, e.g. inflatable means within the bumper to absorb impact	<a href="#">B60R 19/20</a>
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#### Special rules of classification

Bumpers containing inflatable members per se are not classified in [B60R 21/36](#). In cases where an inflatable member within a bumper provides for a specific pedestrian protection feature (e.g. like a definition of a structure with regard to parameters of the human body, or a definition of an interaction with further pedestrian safety devices) it should be classified in [B60R 19/20](#) as well as in [B60R 21/36](#).

Warning: The Indexing Code's for aspects of air bags inside the vehicle falling under [B60R 21/16](#) were not given for external air bags.

Lately some Indexing Code's related to similar aspects were given with the idea to eventually find a harmonized approach at a later stage.

## B60R 22/00

### Safety belts or body harnesses in vehicles (safety belts or body harnesses in general [A62B 35/00](#))

#### Relationships with other classification places

From the sub group [B60R 22/18](#) to the sub group [B60R 22/28](#) subject-matter related to anchoring devices.

From the sub group [B60R 22/34](#) to the sub group [B60R 22/4676](#) subject-matter related to belt retractors.

#### References

##### *Limiting references*

*This place does not cover:*

Buckles; Similar fasteners for interconnecting straps or the like, e.g. for safety belts	<a href="#">A44B 11/25</a>
Safety belts or body harnesses in general	<a href="#">A62B 35/00</a>
Safety belts for aircraft	<a href="#">B64D 25/02</a>

#### Special rules of classification

Further classification entries are given under the Indexing Code-scheme in [B60R 22/00](#).

Where no better additional information classification Indexing Code's are available for disclosure falling under [B60R 22/34](#) and lower, the Indexing Code's of [B60R 22/28](#) and lower should be given for additional information if relevant.

**B60R 2022/027**

**{Four-point seat belt systems, e.g. with the two upper points connected together}**

**Definition statement**

*This place covers:*

Four-point seat belt systems. A suspender type belt system with the two upper points being connected behind the occupants seat is considered a four-point seat belt system; the fact that the two points are connected does not reduce the number to three.

**Special rules of classification**

This group covers seat belt systems with four and more points, as long as no further sub-groups are created.

**B60R 22/105**

**{for children (adaptation of children's seats for seat belts [B60N 2/265](#), [B60N 2/2803](#))}**

**Definition statement**

*This place covers:*

Safety belts or body harnesses in vehicles specially adapted for children.

**References****Limiting references**

*This place does not cover:*

Safety belts being part of a readily mountable or dismountable child seat to secure the child to the child seat	<a href="#">B60N 2/2812</a>
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**B60R 22/28**

**incorporating energy-absorbing devices {(belt anchors provided with energy-absorbing means for protecting the occupants in case of physical contact therewith [B60R 21/055](#); belt retractors comprising energy-absorbing means [B60R 22/341](#), [B60R 22/4676](#))}**

**Special rules of classification**

Where no better additional information classification Indexing Code's are available for disclosure falling under [B60R 22/34](#) and lower, the Indexing Code's of [B60R 22/28](#) and lower should be given for additional information if relevant.

## B60R 22/34

**Belt retractors, e.g. reels (anchoring devices {, e.g. guide loops} , with means to tension the belt in an emergency [B60R 22/195](#))**

### Definition statement

*This place covers:*

belt retractors, e.g. reels for retracting the belt when the belt is not used. Anchoring devices with means to tension the belt in an emergency are not considered to be belt retractors.

### References

#### Informative references

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

Anchoring devices with means to tension the belt in an emergency	<a href="#">B60R 22/195</a>
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## B60R 22/48

**Control systems, alarms, or interlock systems, for the correct application of the belt or harness**

### Definition statement

*This place covers:*

the correct application of the belt or harness and sensing means arrangements therefore.

### Special rules of classification

Disclosure related to triggering belt tighteners or to controlled tensioning of the belt is classified in [B60R 21/01](#) and in the group covering the related tightener.

Buckles; Similar fasteners for interconnecting straps or the like, e.g. for safety belts as such are classified in [A44B 11/25](#) with respect to their general constructional features. In case the buckle comprises sensing means arrangements used for controlling the correct application of the belt, this aspect is classified in [B60R 22/48](#).

## B60R 25/00

**Fittings or systems for preventing or indicating unauthorised use or theft of vehicles (locks for vehicles [E05B 77/00-E05B 85/00](#))**

### Definition statement

*This place covers:*

Vehicle antitheft systems, like systems for preventing unauthorised access, preventing unauthorised use and retrieving stolen vehicles.

### References

#### Limiting references

*This place does not cover:*

Antitheft of cycles	<a href="#">B62H 5/00</a>
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## Limiting references

Mechanical locks as such, and door handles with integrated switched/sensors	<a href="#">E05B 49/00</a>
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**Informative references**

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

Preventing theft of fuel	<a href="#">B60K 2015/03434</a>
Access to programs in CPUs	<a href="#">G06F</a>
Vehicle performance recording	<a href="#">G07C 5/00</a>
Access control in general	<a href="#">G07C 9/00</a>
Fob geometry	<a href="#">G07C 9/00</a>
Burglar intruder alarm per se	<a href="#">G08B 13/00</a>
Fleet monitoring	<a href="#">G08G 1/00</a>
Identifying vehicles	<a href="#">G08G 1/00</a>
Fobs in general	<a href="#">H01H 9/00</a>
Antennas for access systems	<a href="#">H01Q 1/00</a>
Transmission through human body	<a href="#">H04B 13/00</a>

**Special rules of classification**

Antitheft of vehicle accessories or contents (goods) of a vehicle, see the relevant groups of these accessories or goods.

Special rule with access systems in general, [G07C 9/00](#):

- IF a document mentions the use of an access system in a vehicle AND does not mention any other use THEN a classification is given ONLY in [B60R 25/00](#),
- IF a document mentions the use of an access system in a vehicle AND other use THEN a classification in [B60R 25/00](#) AND a classification in [G07C 9/00](#) is given,
- IF a document does not mention the use of an access system in a vehicle THEN no classification in [B60R 25/00](#) is given (only a class in [G07C 9/00](#)).

Vehicle anti theft systems whereby the main feature is not the alarm feature, but have an alarm feature as secondary feature are classified under [B60R 25/10](#).

Here additional information is given in relation to the anti-theft systems e.g. communication protocols and devices.

**B60R 25/10****actuating a signalling device****Special rules of classification**

Vehicle anti theft systems whereby the main feature is not the alarm feature, but have an alarm feature as secondary feature are classified under [B60R 25/10](#).

## **B60R 99/00**

### **Subject matter not provided for in other groups of this subclass**

#### **Definition statement**

*This place covers:*

This is a residual group for other vehicle fittings or vehicle parts, not otherwise provided for in this subclass.

An example for such fittings are devices preventing rodents from damaging vehicle parts. Such devices are additionally classified under the Indexing Code [B60R 2099/005](#) and if applicable under [A01M 29/30](#).

#### **Special rules of classification**

Further classification entries are given under the Indexing Code-scheme in [B60R 99/00](#).

Indexing Codes:

In [B60R](#) an Indexing Code- classification is present with respect to the groups:

[B60R 1/00](#), [B60R 11/00](#), [B60R 13/00](#), [B60R 19/00](#), [B60R 21/00](#), [B60R 22/00](#), [B60R 25/00](#), [B60R 99/00](#).

## **B60R 2325/00**

### **Indexing scheme relating to vehicle anti-theft devices**

#### **Special rules of classification**

Here additional information is given in relation to the anti-theft systems e.g. communication protocols and devices.