

SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B60 VEHICLES IN GENERAL

B60R VEHICLES, VEHICLE FITTINGS, OR VEHICLE PARTS, NOT OTHERWISE PROVIDED FOR (fire prevention, containment or extinguishing specially adapted for vehicles A62C 3/07)

Note(s)

Attention is drawn to the Note following the title of class B60.

Subclass index

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| VEHICLES OR VEHICLE PARTS OR ACCESSORIES NOT OTHERWISE PROVIDED FOR..... | 16/00, 99/00 |
| ARRANGEMENTS | |
| Of optical viewing means..... | 1/00 |
| Of steps or ladders..... | 3/00 |
| ARRANGEMENTS OR ADAPTATIONS | |
| Of electric installations not otherwise provided for; of sanitation devices..... | 16/00, 15/00 |
| For advertising..... | 13/00 |
| Of lubricating systems or devices..... | 17/00 |
| ARRANGEMENTS OF FITTINGS FOR HOLDING OR CARRYING LUGGAGE OR OTHER ARTICLES..... | 5/00-11/00 |
| PROTECTION OR SECURITY | |
| Arrangements concerning the vehicle or passengers; safety belts or body harnesses; anti- theft arrangements..... | 19/00, 21/00, 22/00, 25/00 |
| BODY-FINISHING ELEMENTS..... | 13/00 |
| OTHER VEHICLE FITTINGS..... | 99/00 |

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| <p>1/00 Optical viewing arrangements (antiglare equipment, e.g. polarising, for windscreens or windows B60J 3/00) [2]</p> <p>1/02 • Rear-view mirror arrangements (periscope arrangements B60R 1/10)</p> <p>1/04 • • mounted inside vehicle (B60R 1/08 takes precedence) [1, 7]</p> <p>1/06 • • mounted on vehicle exterior (B60R 1/08 takes precedence) [1, 7]</p> <p>1/062 • • • with remote control for adjusting position [7]</p> <p>1/064 • • • • by manually powered actuator [7]</p> <p>1/066 • • • • for adjusting the mirror relative to its housing [7]</p> <p>1/068 • • • • • using cables [7]</p> <p>1/07 • • • • by electrically powered actuator [7]</p> <p>1/072 • • • • for adjusting the mirror relative to its housing [7]</p> <p>1/074 • • • • for retracting the mirror arrangements to a non-use position alongside the vehicle [7]</p> <p>1/076 • • • yieldable to excessive external force and provided with an indexed use position (B60R 1/062 takes precedence) [7]</p> <p>1/078 • • • easily removable; mounted for bodily outward movement, e.g. when towing [7]</p> <p>1/08 • • involving special optical features, e.g. avoiding blind spots</p> <p>1/10 • Front-view mirror arrangements; Periscope arrangements</p> | <p>1/12 • Mirror assemblies combined with other articles, e.g. clocks</p> <p>3/00 Arrangements of steps, e.g. running-boards (constructed as superstructure sub-units of road vehicles B62D 25/22)</p> <p>3/02 • Retractable steps</p> <p>3/04 • with provisions for shoe-scraping</p> <p>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 43/06)</p> <p>5/02 • arranged at front of vehicle</p> <p>5/04 • arranged at rear of vehicle</p> <p>7/00 Stowing or holding appliances inside of 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 11/02-B60R 11/06; for receptacles for refuse, food, beverages, cigarettes B60N 3/00)</p> <p>7/02 • in a separate luggage compartment</p> <p>7/04 • in driver or passenger space</p> <p>7/05 • • mounted on sun visor [5]</p> <p>7/06 • • mounted on or below dashboards</p> <p>7/08 • Disposition of racks, clips, or the like</p> <p>7/10 • • for supporting hats, clothes or clothes hangers [5]</p> |
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- 7/12 • • for supporting umbrellas [5]
- 7/14 • • for supporting weapons [5]
- 9/00 Supplementary fittings on vehicle exterior for carrying loads, e.g. luggage, sports gear or the like [5]**
 - 9/02 • at the sides, e.g. on running-board
 - 9/04 • Carriers associated with vehicle roof (B60R 9/08 takes precedence) [5]
 - 9/042 • • Carriers characterised by means to facilitate loading or unloading of the load, e.g. rollers, tracks, or the like [5]
 - 9/045 • • Carriers being adjustable or transformable, e.g. expansible, collapsible [5]
 - 9/048 • • Carriers characterised by article-gripping, -retaining, or -locking means [5]
 - 9/05 • • Carriers characterised by wind deflecting means [5]
 - 9/052 • • Carriers comprising elongate members extending only transversely of vehicle (B60R 9/08 takes precedence) [5]
 - 9/055 • • Enclosure-type carriers, e.g. containers, boxes (B60R 9/048 takes precedence) [5]
 - 9/058 • • characterised by releasable attaching means between carrier and roof [5]
 - 9/06 • at vehicle front or rear
 - 9/08 • specially adapted for sports gear
 - 9/10 • • for cycles
 - 9/12 • • for skis
- 11/00 Arrangements for holding or mounting articles, not otherwise provided for**
 - 11/02 • for radio sets, television sets, telephones, or the like; Arrangement of controls thereof
 - 11/04 • Mounting of cameras operative during drive; Arrangement of controls thereof relative to the vehicle
 - 11/06 • for tools or spare parts (for spare wheels B62D 43/00)
- 13/00 Elements for body-finishing, identifying, or decorating; Arrangements or adaptations for advertising purposes**
 - 13/01 • Liners for load platforms or load compartments [5]
 - 13/02 • Trim mouldings; Ledges; Wall liners; Roof liners (B60R 13/01 takes precedence) [5]
 - 13/04 • Ornamental or guard strips; Ornamental inscriptive devices
 - 13/06 • Sealing strips
 - 13/07 • Water drainage or guide means not integral with roof structure (B60R 13/06 takes precedence; water deflectors for bonnets or lids B62D 25/13) [4]
 - 13/08 • Insulating elements, e.g. for sound insulation [4]
 - 13/10 • Registration, licensing, or like devices
- 15/00 Arrangements or adaptations of sanitation devices**
 - 15/02 • Washing facilities
 - 15/04 • Toilet facilities
- 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 [3]**
 - 16/02 • electric [3]
 - 16/023 • • for transmission of signals between vehicle parts or subsystems [2006.01]
 - 16/027 • • • between relatively movable parts of the vehicle, e.g. between steering wheel and column [2006.01]
 - 16/03 • • for supply of electrical power to vehicle subsystems [2006.01]
 - 16/033 • • • characterised by the use of electrical cells or batteries [2006.01]
 - 16/037 • • for occupant comfort [2006.01]
 - 16/04 • • Arrangement of batteries [3, 6, 2006.01]
 - 16/06 • • for carrying-off electrostatic charges [3]
 - 16/08 • fluid [3]
- 17/00 Arrangements or adaptations of lubricating systems or devices**
 - 17/02 • Systems, e.g. central lubrication systems
- 19/00 Wheel guards; Radiator guards; Obstruction removers; Fittings damping bouncing force in collisions (mudguards B62D 25/16)**
 - 19/02 • Bumpers, i.e. impact receiving or absorbing members for protecting vehicles or fending off blows from other vehicles or objects (integral with waterborne vessels or specially adapted therefor B63B 59/02) [4]
 - 19/03 • • characterised by material, e.g. composite (B60R 19/18 takes precedence) [4]
 - 19/04 • • formed from more than one section (B60R 19/18 takes precedence) [4]
 - 19/12 • • • vertically spaced [4]
 - 19/14 • • • having folding parts [4]
 - 19/16 • • • having deflecting members, e.g. rollers, balls [4]
 - 19/18 • • Means within the bumper to absorb impact [4]
 - 19/20 • • • containing gas or liquid, e.g. inflatable [4]
 - 19/22 • • • containing cellular material, e.g. solid foam [4]
 - 19/24 • • Arrangements for mounting bumpers on vehicles [4]
 - 19/26 • • • comprising yieldable mounting means [4]
 - 19/28 • • • • Metallic springs [4]
 - 19/30 • • • • Elastomeric material [4]
 - 19/32 • • • • Fluid shock absorbers [4]
 - 19/34 • • • • destroyed upon impact, e.g. one-shot type [4]
 - 19/36 • • • • Combinations of yieldable mounting means of different types [4]
 - 19/38 • • • adjustably or movably mounted, e.g. horizontally displaceable for securing a space between parked vehicles [4]
 - 19/40 • • • • in the direction of an obstacle before a collision [4]
 - 19/42 • • extending primarily along the sides of, or completely encircling, a vehicle [4]
 - 19/44 • • Bumper guards [4]
 - 19/46 • • • spring- or pivotally-mounted [4]
 - 19/48 • • combined with, or convertible into, other devices or objects, e.g. bumpers combined with road brushes, bumpers convertible into beds [4]
 - 19/50 • • • with lights or registration plates [4]
 - 19/52 • Radiator or grille guards [4]
 - 19/54 • Obstruction removers or deflectors (B60R 19/16, B60R 21/34 take precedence) [4]
 - 19/56 • Arrangements on high-riding vehicles, e.g. lorries, for preventing vehicles or objects from running thereunder [4]

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| 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; 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) [4, 5] | 21/21 | • • • • | in vehicle side panels, e.g. doors (pillar mounted arrangements B60R 21/213) [2006.01, 2011.01] |
| 21/01 | • Electrical circuits for triggering safety arrangements in case of vehicle accidents or impending vehicle accidents [7] | 21/213 | • • • • | in vehicle roof frames or pillars [2006.01, 2011.01] |
| 21/013 | • • including means for detecting collisions, impending collisions or roll-over [2006.01] | 21/214 | • • • • | in roof panels [2011.01] |
| 21/0132 | • • • responsive to vehicle motion parameters [2006.01] | 21/215 | • • • • | characterised by the covers for the inflatable member [2006.01, 2011.01] |
| 21/0134 | • • • responsive to imminent contact with an obstacle [2006.01] | 21/2155 | • • • • | • with complex motion of the cover; Retraction under the lining during opening [2011.01] |
| 21/0136 | • • • responsive to actual contact with an obstacle [2006.01] | 21/216 | • • • • | • comprising tether means for limitation of cover motion during deployment [2011.01] |
| 21/015 | • • including means for detecting the presence or position of passengers, passenger seats or child seats, e.g. for disabling triggering [2006.01] | 21/2165 | • • • • | • characterised by a tear line for defining a deployment opening [2011.01] |
| 21/017 | • • including arrangements for providing electric power to the safety arrangements [2006.01] | 21/217 | • • • • | Inflation fluid source retainers, e.g. reaction canisters; Connection of bags, covers, diffusers or inflation fluid sources therewith or together [2006.01, 2011.01] |
| 21/02 | • Occupant safety arrangements or fittings [4] | 21/23 | • • • | Inflatable members (B60R 21/18 takes precedence) [2006.01] |
| 21/04 | • • Padded linings for the vehicle interior [4] | 21/231 | • • • • | • characterised by their shape, construction or spatial configuration [2006.01, 2011.01] |
| 21/045 | • • • associated with the instrument panel or dashboard [4] | 21/232 | • • • • | • Curtain-type airbags deploying mainly in a vertical direction from their top edge [2011.01] |
| 21/05 | • • • associated with the steering wheel, hand lever or column [4, 5] | 21/233 | • • • • | • comprising a plurality of individual compartments; comprising two or more bag-like members, one within the other (B60R 21/232 takes precedence) [2006.01] |
| 21/055 | • • Padded fittings, e.g. head rests, sun visors [4] | 21/2334 | • • • • | • Expansion regulating features [2011.01] |
| 21/06 | • • Safety nets, transparent sheets, curtains, or the like, e.g. between occupants and glass (B60R 21/11, B60R 21/12, B60R 21/16 take precedence) [4] | 21/2338 | • • • • | • • Tethers [2011.01] |
| 21/08 | • • • movable from an inoperative to an operative position, e.g. in a collision [4, 7] | 21/2342 | • • • • | • • • Tear seams [2011.01] |
| 21/09 | • • Control elements or operating handles movable from an operative to an out-of-the way position, e.g. switch knobs, window cranks [4] | 21/2346 | • • • • | • • • Soft diffusers [2011.01] |
| 21/11 | • • Overhead guards, e.g. against loads falling down [4] | 21/235 | • • • • | • characterised by their material [2006.01] |
| 21/12 | • • which protect the occupants against personal attack from the inside or the outside of the vehicle [4] | 21/237 | • • • • | • characterised by the way they are folded [2006.01] |
| 21/13 | • • Roll-over protection [4, 7] | 21/239 | • • • • | • characterised by their venting means [2006.01] |
| 21/16 | • • Inflatable occupant restraints or confinements designed to inflate upon impact or impending impact, e.g. air bags [4] | 21/26 | • • • | • characterised by the inflation fluid source or means to control inflation fluid flow [4, 2011.01] |
| 21/18 | • • • the inflatable member formed as a belt or harness or combined with a belt or harness arrangement [4] | 21/261 | • • • • | • with means other than bag structure to diffuse or guide inflation fluid [2011.01] |
| 21/20 | • • • Arrangements for storing inflatable members in their non-use or deflated condition; Arrangement or mounting of air bag modules or components [4, 2006.01, 2011.01] | 21/262 | • • • • | • Elongated tubular diffusers, e.g. curtain-type [2011.01] |
| 21/201 | • • • • Packaging straps or envelopes for inflatable members [2011.01] | 21/263 | • • • • | • using a variable source, e.g. plural stage or controlled output (hybrid inflator B60R 21/272) [2011.01] |
| 21/203 | • • • • in steering wheels or steering columns [2006.01] | 21/264 | • • • • | • using instantaneous generation of gas, e.g. pyrotechnic (B60R 21/268 takes precedence) [2006.01] |
| 21/205 | • • • • in dashboards [2006.01, 2011.01] | 21/268 | • • • • | • using instantaneous release of stored pressurised gas [2006.01, 2011.01] |
| 21/206 | • • • • in the lower part of dashboards, e.g. for protecting the knees [2011.01] | 21/272 | • • • • | • • with means for increasing the pressure of the gas just before or during liberation, e.g. hybrid inflators [2006.01] |
| 21/207 | • • • • in vehicle seats [2006.01] | 21/274 | • • • • | • characterised by means to rupture or open the fluid source [2011.01] |
| | | 21/276 | • • • • | • with means to vent the inflation fluid source, e.g. in case of overpressure [2006.01] |
| | | 21/30 | • • • • | • with means to draw ambient air into the flow line and mix such air with the inflation fluid [4] |

- 21/33 • • • Arrangements for non-electric triggering of inflation [2006.01]
- 21/34 • Protecting non-occupants of a vehicle, e.g. pedestrians [4, 2011.01]
- 21/36 • • using airbags [2011.01]
- 21/38 • • using means for lifting bonnets [2011.01]
- 22/00 Safety belts or body harnesses in vehicles [4]**
- 22/02 • Semi-passive restraint systems, e.g. systems applied or removed automatically but not both [4]
- 22/03 • • Means for presenting the belt or part thereof to the wearer [6]
- 22/04 • Passive restraint systems, i.e. systems both applied and removed automatically, e.g. by movement of the vehicle door [4]
- 22/06 • • having the belt or harness connected to a member slidable in a vehicle-mounted track [4]
- 22/08 • • having the belt retractor mounted on or in a vehicle closure, e.g. the door [4]
- 22/10 • specially adapted for children or animals [4]

Note(s)

Groups B60R 22/02-B60R 22/08 and B60R 22/12-B60R 22/48 take precedence over group B60R 22/10.

- 22/12 • Construction of belts or harnesses (B60R 21/18 takes precedence) [4]
- 22/14 • • incorporating enlarged restraint areas, e.g. vests, nets [4]
- 22/16 • • using belts which become permanently deformed, i.e. one time use [4]
- 22/18 • Anchoring devices [4]
- 22/185 • • with stopping means for acting directly upon the belt in an emergency, e.g. by clamping or friction [7]
- 22/19 • • with means for reducing belt tension during use under normal conditions [7]
- 22/195 • • with means to tension the belt in an emergency [7]
- 22/20 • • adjustable in position, e.g. in height [4]
- 22/22 • • secured to the vehicle floor [4]
- 22/24 • • secured to the side, door, or roof of the vehicle [4]
- 22/26 • • secured to the seat [4]
- 22/28 • incorporating energy-absorbing devices [4]
- 22/30 • Coupling devices other than buckles, including length-adjusting fittings [4]
- 22/32 • Devices for releasing in an emergency, e.g. after an accident [4]
- 22/34 • Belt retractors, e.g. reels (anchoring devices with means to tension the belt in an emergency B60R 22/195) [4, 7]
- 22/343 • • with electrically actuated locking means [6]
- 22/347 • • with means for permanently locking the retractor during the wearing of the belt (B60R 22/343, B60R 22/415 take precedence) [6]
- 22/35 • • • the locking means being automatically actuated [6]
- 22/353 • • • in response to belt movement when a wearer applies the belt [6]
- 22/357 • • • in response to fastening of the belt buckle [6]
- 22/36 • • self-locking in an emergency (B60R 22/343 takes precedence) [4]
- 22/38 • • • responsive only to belt movement [4]
- 22/40 • • • responsive only to vehicle movement [4]
- 22/405 • • • responsive to belt movement and vehicle movement [6]

- 22/41 • • • with additional means for preventing locking under predetermined conditions [6]
- 22/415 • • • with additional means allowing a permanent locking of the retractor during the wearing of the belt [6]
- 22/42 • • • having means for acting directly upon the belt, e.g. by clamping or friction [4]
- 22/44 • • with means for reducing belt tension during use under normal conditions [4]
- 22/46 • • with means to tension the belt in an emergency [4, 7]
- 22/48 • Control systems, alarms, or interlock systems, for the correct application of the belt or harness [4]
- 25/00 Fittings or systems for preventing or indicating unauthorised use or theft of vehicles (locks for vehicles E05B 65/12) [5, 2013.01]**
- 25/01 • operating on vehicle systems or fittings, e.g. on doors, seats or windscreens [2013.01]
- 25/02 • • operating on the steering mechanism [1, 2013.01]
- 25/021 • • • restraining movement of the steering column or steering wheel hub, e.g. restraining means controlled by ignition switch [2013.01]
- 25/0215 • • • using electric means, e.g. electric motors or solenoids [2013.01]
- 25/022 • • • operating on the steering wheel, e.g. bars locked to the steering wheel rim (B60R 25/021 takes precedence) [2013.01]
- 25/023 • • • Countermeasures against the physical destruction of the steering lock [2013.01]
- 25/04 • • operating on the propulsion system, e.g. engine or drive motor [1, 2013.01]
- 25/042 • • • operating on the fuel supply [2013.01]
- 25/043 • • • by blocking the exhaust [2013.01]
- 25/044 • • • by limiting or blocking the air supply [2013.01]
- 25/045 • • • by limiting or cutting the electrical supply to the propulsion unit [2013.01]
- 25/06 • • • operating on the vehicle transmission
- 25/08 • • operating on brakes or brake systems
- 25/09 • • by restraining wheel rotation, e.g. wheel clamps [2013.01]
- 25/10 • actuating a signalling device [1, 2013.01]
- 25/102 • • a signal being sent to a remote location, e.g. a radio signal being transmitted to a police station, a security company or the owner [2013.01]
- 25/104 • • characterised by the type of theft warning signal, e.g. visual or audible signals with special characteristics [2013.01]
- 25/20 • Means to switch the anti-theft system on or off [2013.01]
- 25/21 • • using hidden switches [2013.01]
- 25/22 • • using mechanical identifiers [2013.01]
- 25/23 • • using manual input of alphanumerical codes [2013.01]
- 25/24 • • using electronic identifiers containing a code not memorised by the user [2013.01]
- 25/25 • • using biometry [2013.01]
- 25/30 • Detection related to theft or to other events relevant to anti-theft systems [2013.01]
- 25/31 • • of human presence inside or outside the vehicle [2013.01]
- 25/32 • • of vehicle dynamic parameters, e.g. speed or acceleration [2013.01]
- 25/33 • • of global position, e.g. by providing GPS coordinates [2013.01]
- 25/34 • • of conditions of vehicle components, e.g. of windows, door locks or gear selectors [2013.01]

25/40 • *Features of the power supply for the anti-theft system, e.g. anti-theft batteries, back-up power supply or means to save battery power [2013.01]*

99/00 **Subject matter not provided for in other groups of this subclass [2009.01]**