

## 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

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><b>1/00 Optical viewing arrangements</b> (antiglare equipment, e.g. polarising, for windscreens or windows B60J 3/00; devices <i>per se</i> G02B; heating arrangements specially adapted for transparent or reflecting areas H05B 3/84) [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><b>3/00 Arrangements of steps, e.g. running-boards</b> (constructed as superstructure sub-units of road vehicles B62D; ladders E06C)</p> <p>3/02 • Retractable steps</p> <p>3/04 • with provisions for shoe-scraping</p> <p><b>5/00 Compartments within vehicle body primarily intended or sufficiently spacious for trunks, suit-cases, or the like</b> (primarily intended for stowing loads in load-transporting vehicles B60P; arrangements for stowing spare wheels B62D 43/00)</p> <p>5/02 • arranged at front of vehicle</p> <p>5/04 • arranged at rear of vehicle</p> <p><b>7/00 Stowing or holding appliances inside of vehicle primarily intended for personal property smaller than suit-cases, e.g. travelling articles, or maps</b> (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)</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> |
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- 7/08 • Disposition of racks, clips, or the like
- 7/10 • • for supporting hats, clothes or clothes hangers [5]
- 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. expandable, collapsible [5]
- 9/048 • • Carriers characterised by article-gripping, -retaining, or -locking means [5]
- 9/05 • • Carriers characterised by wind deflecting means (wind deflectors for open roofs B60J 7/22) [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 (vehicles specially adapted for carrying aeroplanes, for carrying boats B60P)
- 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 (of aerials H01Q)
- 11/04 • Mounting of cameras operative during drive; Arrangement of controls thereof relative to the vehicle (cameras *per se* G03B)
- 11/06 • for tools or spare parts (for vehicle roof parts B60J 7/20; for spare wheels B62D)
  
- 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 (sealing arrangements for vehicle windows, windscreens, non-fixed roofs, doors, or similar devices B60J 10/00)
- 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 (for propulsion purposes B60K 1/04; supplying batteries to, or removing batteries from, vehicles B60S 5/06; testing of charge state G01R 31/36) [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 (lubricating in general F16N)**
- 17/02 • Systems, e.g. central lubrication systems
  
- 19/00 Wheel guards; Radiator guards; Obstruction removers; Fittings damping bouncing force in collisions (mudguards B62D)**
- 19/02 • Bumpers, i.e. impact receiving or absorbing members for protecting vehicles or fending off blows from other vehicles or objects (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) [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 (connection of valves to inflatable elastic bodies B60C 29/00) [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 (springs, shock absorbers, or means for damping vibrations *per se* F16F) [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 (ornamental or guard strips B60R 13/04) [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]
- 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) [4, 5]
- 21/01 • Electrical circuits for triggering safety arrangements in case of vehicle accidents or impending vehicle accidents [7]
- 21/013 • • including means for detecting collisions, impending collisions or roll-over [2006.01]
- 21/0132 • • • responsive to vehicle motion parameters [2006.01]
- 21/0134 • • • responsive to imminent contact with an obstacle [2006.01]
- 21/0136 • • • responsive to actual contact with an obstacle [2006.01]
- 21/015 • • including means for detecting the presence or position of passengers, passenger seats or child seats, e.g. for disabling triggering [2006.01]
- 21/017 • • including arrangements for providing electric power to the safety arrangements [2006.01]
- 21/02 • Occupant safety arrangements or fittings [4]
- 21/04 • • Padded linings for the vehicle interior [4]
- 21/045 • • • associated with the instrument panel or dashboard [4]
- 21/05 • • • associated with the steering wheel, hand lever or column (yieldable steering columns B62D 1/18) [4, 5]
- 21/055 • • Padded fittings, e.g. head rests, sun visors [4]
- 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]
- 21/08 • • • movable from an inoperative to an operative position, e.g. in a collision (electrical circuits for triggering safety arrangements B60R 21/01) [4, 7]
- 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]
- 21/11 • • Overhead guards, e.g. against loads falling down [4]
- 21/12 • • which protect the occupants against personal attack from the inside or the outside of the vehicle [4]
- 21/13 • • Roll-over protection (electrical circuits for triggering safety arrangements B60R 21/01) [4, 7]
- 21/16 • • Inflatable occupant restraints or confinements designed to inflate upon impact or impending impact, e.g. air bags (connection of valves to inflatable elastic bodies B60C 29/00) [4]
- 21/18 • • • the inflatable member formed as a belt or harness or combined with a belt or harness arrangement [4]
- 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]
- 21/201 • • • • Packaging straps or envelopes for inflatable members [2011.01]
- 21/203 • • • • in steering wheels or steering columns [2006.01]
- 21/205 • • • • in dashboards [2006.01, 2011.01]
- 21/206 • • • • • in the lower part of dashboards, e.g. for protecting the knees [2011.01]
- 21/207 • • • • in vehicle seats [2006.01]
- 21/21 • • • • in vehicle side panels, e.g. doors (pillar mounted arrangements B60R 21/213) [2006.01, 2011.01]
- 21/213 • • • • in vehicle roof frames or pillars [2006.01, 2011.01]
- 21/214 • • • • in roof panels [2011.01]
- 21/215 • • • • characterised by the covers for the inflatable member [2006.01, 2011.01]
- 21/2155 • • • • • with complex motion of the cover; Retraction under the lining during opening [2011.01]
- 21/216 • • • • • comprising tether means for limitation of cover motion during deployment [2011.01]
- 21/2165 • • • • • characterised by a tear line for defining a deployment opening [2011.01]
- 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]
- 21/23 • • • Inflatable members (B60R 21/18 takes precedence) [2006.01]
- 21/231 • • • • characterised by their shape, construction or spatial configuration [2006.01, 2011.01]
- 21/232 • • • • • Curtain-type airbags deploying mainly in a vertical direction from their top edge [2011.01]
- 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]
- 21/2334 • • • • • Expansion regulating features [2011.01]
- 21/2338 • • • • • Tethers [2011.01]
- 21/2342 • • • • • Tear seams [2011.01]
- 21/2346 • • • • • Soft diffusers [2011.01]
- 21/235 • • • • characterised by their material [2006.01]
- 21/237 • • • • characterised by the way they are folded [2006.01]
- 21/239 • • • • characterised by their venting means [2006.01]

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- 21/26 • • • characterised by the inflation fluid source or means to control inflation fluid flow [4, 2011.01]
- 21/261 • • • • with means other than bag structure to diffuse or guide inflation fluid [2011.01]
- 21/262 • • • • • Elongated tubular diffusers, e.g. curtain-type [2011.01]
- 21/263 • • • • using a variable source, e.g. plural stage or controlled output (hybrid inflator B60R 21/272) [2011.01]
- 21/264 • • • • using instantaneous generation of gas, e.g. pyrotechnic (B60R 21/268 takes precedence) [2006.01]
- 21/268 • • • • using instantaneous release of stored pressurised gas [2006.01, 2011.01]
- 21/272 • • • • • with means for increasing the pressure of the gas just before or during liberation, e.g. hybrid inflators [2006.01]
- 21/274 • • • • • 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 (electrical circuits for triggering safety arrangements B60R 21/01) [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** (safety belts or body harnesses in general A62B 35/00) [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 (children's seats B60N 2/24) [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 (electrical circuits for triggering safety arrangements B60R 21/01) [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 (buckles A44B 11/00; releasable fastenings in general F16B) [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 (electrical circuits for triggering safety arrangements B60R 21/01) [4, 7]
- 22/48 • Control systems, alarms, or interlock systems, for the correct application of the belt or harness [4]

- 25/00 Vehicle fittings for preventing or indicating unauthorised use or theft of vehicles** (anti-theft devices for wheel cover discs, rings or the like B60B 7/16; locks or bolts *per se* E05) [5]

- 25/02 • operating on steering mechanism
- 25/04 • preventing use of engine (engines, fittings for normal use, see the relevant classes for such engines or fittings)
- 25/06 • operating on transmission
- 25/08 • operating on brake
- 25/10 • actuating a signalling device

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