

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

1/00	Optical viewing arrangements (antiglare equipment, e.g. polarising, for windscreens or windows B60J 3/00) [2]	1/12	• Mirror assemblies combined with other articles, e.g. clocks
1/02	• Rear-view mirror arrangements (periscope arrangements B60R 1/10)	3/00	Arrangements of steps, e.g. running-boards (constructed as superstructure sub-units of road vehicles B62D 25/22)
1/04	• • mounted inside vehicle (B60R 1/08 takes precedence) [1, 7]	3/02	• Retractable steps
1/06	• • mounted on vehicle exterior (B60R 1/08 takes precedence) [1, 7]	3/04	• with provisions for shoe-scraping
1/062	• • • with remote control for adjusting position [7]	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)
1/064	• • • • by manually powered actuator [7]	5/02	• arranged at front of vehicle
1/066	• • • • for adjusting the mirror relative to its housing [7]	5/04	• arranged at rear of vehicle
1/068	• • • • • using cables [7]	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)
1/07	• • • • by electrically powered actuator [7]	7/02	• in a separate luggage compartment
1/072	• • • • for adjusting the mirror relative to its housing [7]	7/04	• in driver or passenger space
1/074	• • • • for retracting the mirror arrangements to a non-use position alongside the vehicle [7]	7/05	• • mounted on sun visor [5]
1/076	• • • yieldable to excessive external force and provided with an indexed use position (B60R 1/062 takes precedence) [7]	7/06	• • mounted on or below dashboards
1/078	• • • easily removable; mounted for bodily outward movement, e.g. when towing [7]	7/08	• Disposition of racks, clips, or the like
1/08	• • involving special optical features, e.g. avoiding blind spots	7/10	• • for supporting hats, clothes or clothes hangers [5]
1/10	• Front-view mirror arrangements; Periscope arrangements		

B60R

- 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]

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

B60R

- 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 Vehicle fittings for preventing or indicating unauthorised use or theft of vehicles [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]**