

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

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 to 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; devices *per se* G02B; heating arrangements specially adapted for transparent or reflecting areas H05B 3/84) [2]

1/02 . Rear-view mirror arrangements (periscope arrangements B60R 1/10)

1/04 . . mounted inside vehicle (B60R 1/08 takes precedence) [1,7]

1/06 . . mounted on vehicle exterior (B60R 1/08 takes precedence) [1,7]

1/062 . . . with remote control for adjusting position [7]

1/064 by manually powered actuator [7]

1/066 for adjusting the mirror relative to its housing [7]

1/068 using cables [7]

1/07 by electrically powered actuator [7]

1/072 for adjusting the mirror relative to its housing [7]

1/074 for retracting the mirror arrangements to a non-use position alongside the vehicle [7]

1/076 . . . yieldable to excessive external force and provided with an indexed use position (B60R 1/062 takes precedence) [7]

1/078 . . . easily removable; mounted for bodily outward movement, e.g. when towing [7]

1/08 . . involving special optical features, e.g. avoiding blind spots

1/10 . Front-view mirror arrangements; Periscope arrangements

1/12 . Mirror assemblies combined with other articles, e.g. clocks

3/00 Arrangements of steps, e.g. running-boards (constructed as superstructure sub-units of road vehicles B62D; ladders E06C)

3/02 . Retractable steps

3/04 . with provisions for shoe-scraping

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)

5/02 . arranged at front of vehicle

5/04 . arranged at rear of vehicle

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 11/00; for receptacles for refuse, food, beverages, cigarettes B60N)

7/02 . in a separate luggage compartment

7/04 . in driver or passenger space

7/05 . . mounted on sun visor [5]

7/06 . . mounted on or below dashboards

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. expansible, 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]

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- 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 [8]
- 16/027 between relatively movable parts of the vehicle, e.g. between steering wheel and column [8]
- 16/03 . . . for supply of electrical power to vehicle subsystems [8]
- 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) [8]
- 16/037 . . . for occupant comfort [8]
- 16/04 . . . Arrangement of batteries [3,6,8]
- 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 **[8]**
- 21/0132 responsive to vehicle motion parameters **[8]**
- 21/0134 responsive to imminent contact with an obstacle **[8]**
- 21/0136 responsive to actual contact with an obstacle **[8]**
- 21/015 including means for detecting the presence or position of passengers, passenger seats or child seats, e.g. for disabling triggering **[8]**
- 21/017 including arrangements for providing electric power to the safety arrangements **[8]**
- 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 **[4,8]**
- 21/203 in steering wheels or steering columns **[8]**
- 21/205 in dashboards **[8]**
- 21/207 in vehicle seats **[8]**
- 21/21 in vehicle side panels, e.g. doors or pillars **[8]**
- 21/213 in vehicle roofs, e.g. in roof frames **[8]**
- 21/215 characterised by the covers for the inflatable member **[8]**
- 21/217 Inflation fluid source retainers, e.g. reaction canisters; Connection of bags, diffusers or inflation fluid sources thereto **[8]**
- 21/23 Inflatable members **[8]**
- 21/231 characterised by their shape, e.g. shaped with respect to a specific part of the occupant's body (B60R 21/233 takes precedence) **[8]**
- 21/233 comprising a plurality of individual compartments; comprising two or more bag-like members, one within the other **[8]**
- 21/235 characterised by their material **[8]**
- 21/237 characterised by the way they are folded **[8]**
- 21/239 characterised by their venting means **[8]**
- 21/26 characterised by the inflation fluid source or means to control inflation fluid flow **[4]**
- 21/264 using instantaneous generation of gas (B60R 21/268 takes precedence) **[8]**
- 21/268 using instantaneous release of stored pressurised gas **[8]**
- 21/272 with means for increasing the pressure of the gas when inflation is required, e.g. hybrid inflators **[8]**
- 21/276 with means to vent the inflation fluid source, e.g. in case of overpressure **[8]**
- 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) **[8]**
- 21/34 Protecting non-occupants of a vehicle, e.g. pedestrians **[4]**
- 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**
- Groups B60R 22/02 to B60R 22/08 and B60R 22/12 to B60R 22/48 take precedence over group B60R 22/10. **[6]**
- 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]**

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- 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]**