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]**

1/02 • 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 25/22)

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 43/06)

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 11/02-B60R 11/06; for receptacles for refuse, food, beverages, cigarettes B60N 3/00)

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 **[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]**

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]**

21/01 • 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 **[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 **[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 **[4, 7]**

21/16 • • Inflatable occupant restraints or confinements designed to inflate upon impact or impending impact, e.g. air bags **[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]**

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 **[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 77/00-E05B 85/00) **[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]