

## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

### B62 LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS

**B62D MOTOR VEHICLES; TRAILERS** (steering, or guiding on a desired track, of agricultural machines or implements A01B 69/00; wheels, castors, axles, increasing wheel adhesion B60B; vehicle tyres, tyre inflation or tyre changing B60C; connections between vehicles of a train or the like B60D; vehicles for use on rail and road, amphibious or convertible vehicles B60F; suspension arrangements B60G; heating, cooling, ventilating or other air treating devices B60H; windows, windscreens, non-fixed roofs, doors or similar devices, protective coverings for vehicles not in use B60J; propulsion plant arrangements, auxiliary drives, transmissions, controls, instrumentation or dashboards B60K; electric equipment or propulsion of electrically-propelled vehicles B60L; power supply for electrically-propelled vehicles B60M; passenger accommodation not otherwise provided for B60N; adaptations for load transportation or to carry special loads or objects B60P; arrangement of signalling or lighting devices, the mounting or supporting thereof or circuits therefor, for vehicles in general B60Q; vehicles, vehicle fittings or vehicle parts, not otherwise provided for B60R; servicing, cleaning, repairing, supporting, lifting, or manoeuvring, not otherwise provided for B60S; brake arrangements, brake control systems or parts thereof B60T; air-cushion vehicles B60V; motorcycles, accessories therefor B62J, B62K; testing of vehicles G01M)

#### Note(s)

In this subclass, the following terms are used with the meanings indicated:

- "vehicles" includes motor vehicles and trailers;
- "trailers" includes forecars or sidecars.

#### Subclass index

#### FUNCTIONAL OR STRUCTURAL CHARACTERISTICS; PARTS OR ACCESSORIES THEREOF NOT OTHERWISE PROVIDED FOR

|   |                               |
|---|-------------------------------|
| Predominantly for passengers; load carrying.....  | 31/00, 47/00, 33/00           |
| Tractors; tractor-trailer combinations or road trains; vehicles with no seat for the driver.....                          | 49/00, 53/00, 51/00           |
| Endless-track vehicles and their tracks; vehicles with ground engagement other than by tracks or wheels                   | 55/00, 57/00                  |
| Trailers with driven ground wheels; Motor vehicles or trailers, characterised by the arrangement or number of wheels..... | 59/00, 61/00                  |
| Other types of vehicles; designing, manufacturing, assembling, disassembling of vehicles.....                             | 63/00, 65/00, 67/00           |
| <b>CHASSIS FRAME, SUPERSTRUCTURE AND BODY</b>   |                               |
| Chassis frame; monocoque construction; connections between body and frame.....  | 21/00, 23/00, 24/00           |
| Superstructure and body   |                               |
| characterised by material.....  | 29/00                         |
| characterised by the function of the vehicle.....   | 31/00, 33/00                  |
| Streamlining; Stabilising.....  | 35/00, 37/00                  |
| Superstructure sub-units and connections thereof.....   | 25/00, 27/00                  |
| Arrangements for spare wheel.....   | 43/00                         |
| Radius rods.....  | 19/00                         |
| other vehicle bodies.....   | 39/00                         |
| <b>STEERING</b>   |                               |
| Initiating means; gears; response to driving conditions; linkage; adjusting.....  | 1/00, 3/00, 6/00, 7/00, 17/00 |
| Power-assisted; automatically influencing; for endless-track vehicles; for trailers.....                                  | 5/00, 6/00, 11/00, 13/00      |
| Tandem vehicles or pivotally connected frames.....  | 12/00                         |
| Other.....  | 9/00, 11/00, 15/00            |
| <b>ACCESSORIES FOR COLLISION MARKING.....</b>   | <b>41/00</b>                  |

#### Steering of motor vehicles or trailers [3]

|  |      |   |
|--|------|---|
| <b>1/00 Steering controls, i.e. means for initiating a change of direction of the vehicle [1, 4, 5, 2006.01]</b> | 1/08 | • • • Spokes, e.g. resilient (B62D 1/11 takes precedence) [1, 5, 2006.01]                                     |
| 1/02 • vehicle-mounted [1, 2006.01]  | 1/10 | • • • Hubs; Connecting hubs to steering columns, e.g. adjustable (B62D 1/11 takes precedence) [1, 5, 2006.01] |
| 1/04 • • Hand wheels [1, 2006.01]  |      |   |
| 1/06 • • • Rims, e.g. with heating means; Rim covers (B62D 1/11 takes precedence) [1, 5, 2006.01]                |      |   |

## B62D

- 1/11 • • • incorporating energy-absorbing arrangements, e.g. by being yieldable or collapsible (padded linings associated with the steering wheel B60R 21/05; shock absorbers using plastic deformation of members in general F16F 7/12) [5, 2006.01]
  - 1/12 • • Hand levers [1, 2006.01]
  - 1/14 • • • Tillers, i.e. hand levers operating on steering columns [1, 2006.01]
  - 1/16 • • Steering columns [1, 2006.01]
  - 1/18 • • • yieldable or adjustable, e.g. tiltable (padded linings associated with the steering column B60R 21/05) [1, 2006.01]
- Note(s) [7]**
- Group B62D 1/181 takes precedence over groups B62D 1/183-B62D 1/187.
- 1/181 • • • • with power actuated adjustment, e.g. with position memory [7, 2006.01]
  - 1/183 • • • • adjustable between in-use and out-of-use positions, e.g. to improve access [7, 2006.01]
  - 1/184 • • • • Mechanisms for locking columns at selected positions [7, 2006.01]
  - 1/185 • • • • adjustable by axial displacement, e.g. telescopically (B62D 1/183, B62D 1/187, B62D 1/19 take precedence) [7, 2006.01]
  - 1/187 • • • • with tilt adjustment; with tilt and axial adjustment (B62D 1/183, B62D 1/19 take precedence) [7, 2006.01]
  - 1/189 • • • • the entire steering column being tiltable as a unit [7, 2006.01]
  - 1/19 • • • • incorporating energy-absorbing arrangements, e.g. by being yieldable or collapsible (shock-absorbers using plastic deformation of members in general F16F 7/12) [5, 2006.01]
  - 1/20 • • • Connecting steering column to steering gear [1, 2006.01]
  - 1/22 • • Alternative steering-control elements, e.g. for teaching purposes [1, 2006.01]
  - 1/24 • not vehicle-mounted [1, 2006.01]
  - 1/26 • • mechanical, e.g. by a non-load-bearing guide (railways B61) [1, 2006.01]
  - 1/28 • • non-mechanical [1, 2006.01]
- 3/00 Steering gears** (power assisted or power driven B62D 5/00; steering linkages B62D 7/00; for non-deflectable wheels B62D 11/00; gearing in general F16H) [1, 2006.01]
- 3/02 • mechanical [1, 2006.01]
  - 3/04 • • of worm type [1, 2006.01]
  - 3/06 • • • with screw and nut [1, 2006.01]
  - 3/08 • • • • using intermediate balls or the like [1, 2006.01]
  - 3/10 • • • with worm engaging in sector or roller gear [1, 2006.01]
  - 3/12 • • of rack-and-pinion type [1, 2006.01]
  - 3/14 • hydraulic [1, 2006.01]
- 5/00 Power-assisted or power-driven steering** (for non-deflectable wheels B62D 11/00; fluid-pressure servomotors in general F15B) [1, 2006.01]
- 5/02 • mechanical, e.g. using a power-take-off mechanism for taking power from a rotating shaft of the vehicle and applying it to the steering gear [1, 2006.01]
- 5/04 • electrical, e.g. using an electric servo-motor connected to, or forming part of, the steering gear [1, 2006.01]
  - 5/06 • fluid, i.e. using a pressurised fluid for most or all the force required for steering a vehicle [1, 4, 2006.01]
  - 5/065 • • characterised by specially adapted means for varying pressurised fluid supply based on need, e.g. on-demand, variable assist [7, 2006.01]
  - 5/07 • • Supply of pressurised fluid for steering also supplying other consumers [4, 2006.01]
  - 5/08 • • characterised by type of valve used (valves in general F16K) [1, 4, 2006.01]
  - 5/083 • • • Rotary valves [4, 2006.01]
  - 5/087 • • • Sliding spool valves [4, 2006.01]
  - 5/09 • • characterised by means for actuating valves [4, 2006.01]
  - 5/093 • • • Telemotor driven by steering wheel movement (hydraulic steering gear B62D 3/14) [4, 2006.01]
  - 5/097 • • • • gerotor type [4, 2006.01]
  - 5/10 • • characterised by type of power unit [1, 4, 2006.01]
  - 5/12 • • • Piston and cylinder [4, 2006.01]
  - 5/14 • • • Rotary motor [4, 2006.01]
  - 5/16 • • • Expansible chamber with flexible wall [4, 2006.01]
  - 5/18 • • characterised by power transmitting means [4, 2006.01]
  - 5/20 • • specially adapted for particular type of steering gear or particular application (steering gears *per se* B62D 3/00; steering linkages not characterised by being power-assisted or power-driven B62D 7/00) [4, 2006.01]
  - 5/22 • • • for rack-and-pinion type [4, 2006.01]
  - 5/24 • • • for worm type [4, 2006.01]
  - 5/26 • • • for pivoted axles [4, 2006.01]
  - 5/28 • • • for pivoted bogies [4, 2006.01]
  - 5/30 • • Safety devices, e.g. alternate emergency power supply or transmission means to ensure steering upon failure of the primary steering means [4, 2006.01]
  - 5/32 • • • for telemotor systems [4, 2006.01]
- 6/00 Arrangements for automatically controlling steering depending on driving conditions sensed and responded to, e.g. control circuits** (means for initiating a change in direction B62D 1/00; steering valves B62D 5/06; combined with means for inclining the vehicle body or wheels on bends B62D 9/00) [4, 6, 2006.01]
- Note(s) [5]**
1. When classifying in this group, classification is also made in the appropriate one of groups B62D 1/00-B62D 5/00 or B62D 7/00-B62D 19/00 if other aspects of the steering system are of interest.
  2. In main group B62D 6/00, but excluding its subgroups, it is desirable to add the indexing codes of groups B62D 101/00-B62D 137/00.
- 6/02 • responsive only to vehicle speed [4, 2006.01]
  - 6/04 • responsive only to forces disturbing the intended course of the vehicle, e.g. forces acting transversely to the direction of vehicle travel [4, 2006.01]
  - 6/06 • responsive only to vehicle vibration dampening arrangements (steering dampers for cycles B62K 21/08) [4, 2006.01]
  - 6/08 • responsive only to input torque [6, 2006.01]

- 6/10 • • characterised by the means for sensing torque [6, 2006.01]
- 7/00 Steering linkage; Stub axles or their mountings** (B62D 13/00 takes precedence; power-assisted or power-driven steering B62D 5/00) [1, 5, 2006.01]
- 7/02 • for pivoted bogies [1, 2006.01]
- 7/04 • • with more than one wheel [1, 2006.01]
- 7/06 • for individually-pivoted wheels, e.g. on king-pins [1, 2006.01]
- 7/08 • • the pivotal axes being situated in a single plane transverse to the longitudinal centre line of the vehicle [1, 2006.01]
- 7/09 • • • characterised by means varying the ratio between the steering angles of the steered wheels (varying the ratio automatically depending on driving conditions B62D 6/00) [5, 2006.01]
- 7/10 • • • with single-output steering gear [1, 2006.01]
- 7/12 • • • with twin-output steering gear [1, 2006.01]
- 7/14 • • the pivotal axes being situated in more than one plane transverse to the longitudinal centre line of the vehicle, e.g. all-wheel steering [1, 2006.01]
- 7/15 • • • characterised by means varying the ratio between the steering angles of the steered wheels (varying the ratio automatically depending on driving conditions B62D 6/00) [5, 2006.01]
- 7/16 • Arrangement of linkage connections (pivots per se F16C) [1, 2006.01]
- 7/18 • Steering knuckles; King-pins [1, 2006.01]
- 7/20 • Links, e.g. track rods (means for adjusting camber, castor, or toe-in B62D 17/00) [1, 2006.01]
- 7/22 • Arrangements for reducing or eliminating reaction, e.g. vibration, from parts, e.g. wheels, of the steering system [5, 2006.01]
- 9/00 Steering deflectable wheels not otherwise provided for** (steering-position indicators B62D 15/02) [1, 2006.01]
- 9/02 • combined with means for inwardly-inclining vehicle body on bends [1, 2006.01]
- 9/04 • combined with means for inclining vehicle wheels on bends (B62D 9/02 takes precedence) [5, 2006.01]
- 11/00 Steering non-deflectable wheels; Steering endless tracks or the like** [1, 2006.01]
- 11/02 • by differentially driving ground-engaging elements on opposite vehicle sides [1, 2006.01]
- 11/04 • • by means of separate power sources [1, 2006.01]
- 11/06 • • by means of a single main power source [1, 2006.01]
- 11/08 • • • using brakes or clutches as main steering-effecting means [1, 2006.01]
- 11/10 • • • using gearings with differential power outputs on opposite sides, e.g. twin- differential or epicyclic gears [1, 2006.01]
- 11/12 • • • • using separate change-speed gearings [1, 2006.01]
- 11/14 • • • • differential power outputs being effected by additional power supply to one side, e.g. power originating from secondary power source [1, 2006.01]
- 11/16 • • • • • the additional power supply being supplied mechanically [1, 2006.01]
- 11/18 • • • • • the additional power supply being supplied hydraulically [1, 2006.01]
- 11/20 • Endless-track steering having pivoted bogie carrying track (B62D 11/02 takes precedence) [1, 2006.01]
- 11/22 • Endless-track steering being effected by deflecting endless-track rollers or the like [1, 2006.01]
- 11/24 • Endless-track steering specially adapted for vehicles having both steerable wheels and endless track [1, 2006.01]
- 12/00 Steering specially adapted for vehicles operating in tandem or having pivotally connected frames** (steering endless tracks or the like B62D 11/00; steering specially adapted for trailers B62D 13/00) [4, 2006.01]
- 12/02 • for vehicles operating in tandem [4, 2006.01]
- 13/00 Steering specially adapted for trailers** (combined traction and steering hitches B60D) [1, 2006.01]
- 13/02 • for centrally-pivoted axles [1, 2006.01]
- 13/04 • for individually-pivoted wheels [1, 2006.01]
- 13/06 • for backing a normally-drawn trailer [1, 2006.01]
- 15/00 Steering not otherwise provided for** [1, 2006.01]
- 15/02 • Steering position indicators [1, 4, 2006.01]
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- 17/00 Means on vehicle for adjusting camber, castor, or toe-in** [1, 2006.01]
- 19/00 Radius rods, i.e. distance members** [1, 2006.01]
- Understructures; Superstructures; Vehicle bodies**
- 21/00 Understructures, i.e. chassis frame on which a vehicle body may be mounted** (combined frame and vehicle body B62D 23/00) [1, 2006.01]
- 21/02 • comprising longitudinally or transversely arranged frame members [1, 4, 2006.01]
- 21/03 • • transverse members providing body support [4, 2006.01]
- 21/04 • • single longitudinal type [1, 2006.01]
- 21/05 • • pinched frame type, i.e. formed of at least two longitudinal frame sections connected by other longitudinal frame sections of lesser transverse dimension [4, 2006.01]
- 21/06 • of X-shaped or fork-shaped construction, i.e. having members which form an X or fork as the frame is seen in plan view [1, 2006.01]
- 21/07 • wide-hipped frame type, i.e. a wide box-shaped mid portion with narrower sections extending from said mid portion in both fore and aft directions [4, 2006.01]
- 21/08 • built-up with interlaced cross members ("Fachwerkrahmen") [1, 2006.01]
- 21/09 • Means for mounting load bearing surfaces [4, 2006.01]
- 21/10 • in which the main member is plate-like [1, 2006.01]
- 21/11 • with resilient means for suspension [4, 2006.01]
- Note(s) [4]**
- This group does not cover subject matter primarily relating to the suspension, with only a nominal recitation of frame structure, which is covered by subclass B60G.
- 21/12 • assembled from readily-detachable parts [1, 2006.01]
- 21/14 • of adjustable length or width [1, 2006.01]

## B62D

- 21/15 • having impact absorbing means, e.g. a frame designed to permanently or temporarily change shape or dimension upon impact with another body (bumpers B60R 19/02; shock absorbers in general F16F) [4, 2006.01]
  - 21/16 • having fluid storage compartment [1, 4, 2006.01]
  - 21/17 • forming fluid or electrical conduit means or having other means to accommodate the transmission of a force or signal [4, 2006.01]
  - 21/18 • characterised by the vehicle type and not provided for in groups B62D 21/02-B62D 21/17 [1, 4, 2006.01]
  - 21/20 • • trailer type, i.e. a frame specifically constructed for use in a non-powered vehicle [4, 2006.01]
  - 23/00 Combined superstructure and frame, i.e. monocoque constructions** (superstructure sub-units B62D 25/00) [1, 2006.01]
  - 24/00 Connections between vehicle body and vehicle frame** (B62D 23/00, B62D 33/077 take precedence) [5, 2006.01]
  - 24/02 • Vehicle body, not intended to move relatively to the vehicle frame, and mounted on vibration absorbing mountings, e.g. rubber pads [5, 2006.01]
  - 24/04 • Vehicle body mounted on resilient suspension for movement relative to the vehicle frame [5, 2006.01]
  - 25/00 Superstructure sub-units; Parts or details thereof not otherwise provided for** [1, 2006.01]
  - 25/02 • Side panels [1, 2006.01]
  - 25/04 • Door pillars [1, 2006.01]
  - 25/06 • Fixed roofs (non-fixed roofs or roofs with movable panels B60J 7/00; roof liners B60R 13/02; insulating elements B60R 13/08) [1, 2006.01]
  - 25/07 • • having water drainage or guide means integral with roof structure [4, 2006.01]
  - 25/08 • Front or rear portions [1, 2006.01]
  - 25/10 • • Bonnets or lids [1, 2006.01]
  - 25/12 • • • Parts or details thereof (locks E05B; hinges E05D; counterbalancing means E05F; springs F16F) [1, 2006.01]
  - 25/13 • • • • Water deflectors [5, 2006.01]
  - 25/14 • • Dashboards as superstructure sub-unit (other dashboard aspects B60K) [1, 2006.01]
  - 25/16 • • Mud-guards or wings; Wheel cover panels (equipped with means for freeing wheels or tyres from foreign matter B60S) [1, 2006.01]
  - 25/18 • • • Parts or details thereof, e.g. mud-guard flaps [1, 2006.01]
  - 25/20 • Floors or bottom sub-units [1, 2006.01]
  - 25/22 • Running-boards, steps, or the like, as superstructure sub-unit (other arrangements of steps, ladders, or running-boards in vehicles B60R) [1, 2006.01]
  - 25/24 • Superstructure sub-units with access openings having movable or removable closures (inlet covers for vehicle fuel tanks B60K 15/05) [5, 2006.01]
  - 27/00 Connections between superstructure sub-units** [1, 2006.01]
  - 27/02 • rigid [1, 2006.01]
  - 27/04 • resilient [1, 2006.01]
  - 27/06 • readily releasable [1, 2006.01]
  - 29/00 Superstructures characterised by material thereof** [1, 2006.01]
  - 29/02 • predominantly of wood [1, 2006.01]
  - 29/04 • predominantly of synthetic material (working of plastics or substances in a plastic state B29) [1, 2006.01]
  - 31/00 Superstructures for passenger vehicles** (passenger vehicles specially adapted to co-operate with aircraft or terminal buildings B64F 1/31) [1, 2006.01]
  - 31/02 • for carrying large numbers of passengers, e.g. omnibus [1, 2006.01]
  - 31/04 • with more than one deck [1, 2006.01]
  - 33/00 Superstructures for load-carrying vehicles** (in which a load-carrying element is movable B60P; liners B60R 13/00) [1, 2006.01]
  - 33/02 • Platforms; Open load compartments [1, 2006.01]
  - 33/023 • • Sideboard or tailgate structures [5, 2006.01]
  - 33/027 • • • movable [5, 2006.01]
  - 33/03 • • • • by swinging down [5, 2006.01]
  - 33/033 • • • • removable [5, 2006.01]
  - 33/037 • • • • Latching means therefor [5, 2006.01]
  - 33/04 • Enclosed load compartments [1, 2006.01]
  - 33/06 • Drivers' cabs [1, 2006.01]
  - 33/063 • • movable from one position into at least one other position, e.g. tiltable, pivotable about a vertical axis, displaceable from one side of the vehicle to the other [5, 2006.01]
  - 33/067 • • • tiltable [5, 2006.01]
  - 33/07 • • • • characterised by the device for locking the cab in the tilted or in the driving position [5, 2006.01]
  - 33/073 • • • characterised by special adaptations of vehicle control devices [5, 2006.01]
  - 33/077 • characterised by the connection of the superstructure to the vehicle frame [5, 2006.01]
  - 33/08 • • comprising adjustable means (B62D 33/10 takes precedence) [1, 5, 2006.01]
  - 33/10 • • comprising means for the suspension of the superstructure on the frame [5, 2006.01]
  - 35/00 Vehicle bodies characterised by streamlining** [1, 2006.01]
  - 35/02 • Streamlining the undersurfaces [1, 2006.01]
  - 37/00 Stabilising vehicle bodies without controlling suspension arrangements** [1, 2006.01]
  - 37/02 • by aerodynamic means [1, 2006.01]
  - 37/04 • by means of movable masses [1, 2006.01]
  - 37/06 • • using gyroscopes [1, 2006.01]
  - 39/00 Vehicle bodies not otherwise provided for** [1, 2006.01]
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- 41/00 Fittings for identifying vehicles in case of collision; Fittings for marking or recording collision areas** [1, 2006.01]
  - 43/00 Spare wheel stowing, holding, or mounting arrangements** [1, 2006.01]
  - 43/02 • external to the vehicle body [1, 2006.01]
  - 43/04 • • attached beneath the vehicle body [1, 2006.01]
  - 43/06 • within the vehicle body [1, 2006.01]
  - 43/08 • • and arranged substantially vertical [1, 2006.01]
  - 43/10 • • and arranged substantially horizontal [1, 2006.01]

**Motor vehicles or trailers classified according to type; Parts or accessories thereof not otherwise provided for**

- 47/00 Motor vehicles or trailers predominantly for carrying passengers** (superstructures B62D 31/00) [1, 3, 2006.01]
- 47/02 • for large numbers of passengers, e.g. omnibus [1, 2006.01]
- 49/00 Tractors** (of walk type B62D 51/04; endless-track features B62D 55/00) [1, 2006.01]
- 49/02 • modified to take lifting devices [1, 2006.01]
- 49/04 • modified to take pushing devices [1, 2006.01]
- 49/06 • adapted for multi-purpose use [1, 2006.01]
- 49/08 • having means for preventing overturning or tipping (safety devices for propulsion-unit control, specially adapted for, or arranged in, vehicles B60K 28/00) [1, 4, 2006.01]
- 51/00 Motor vehicles characterised by the driver not being seated** [1, 2006.01]
- 51/02 • the driver standing in the vehicle [1, 2006.01]
- 51/04 • the driver walking [1, 2006.01]
- 51/06 • • Uniaxle walk-type tractors [1, 2006.01]
- 53/00 Tractor-trailer combinations; Road trains** (traction couplings other than fifth-wheel couplings B60D) [1, 2006.01]
- 53/02 • comprising a uniaxle tractor unit and a uniaxle trailer unit [1, 2006.01]
- 53/04 • comprising a vehicle carrying an essential part of the other vehicle's load by having supporting means for the front or rear part of the other vehicle [1, 2006.01]
- 53/06 • • Semi-trailers [1, 2006.01]
- 53/08 • • Fifth-wheel traction couplings [1, 2006.01]
- 53/10 • • • with means for preventing accidental uncoupling [1, 2006.01]
- 53/12 • • • engaging automatically [1, 2006.01]
- 55/00 Endless-track vehicles** (steering aspects B62D 11/00) [1, 2006.01]
- 55/02 • with tracks and additional ground wheels [1, 2006.01]
- 55/04 • with tracks and alternative ground wheels, e.g. changeable from endless-track vehicle into wheeled vehicle and *vice versa* [1, 2006.01]
- 55/06 • with tracks and without ground wheels [1, 2006.01]
- 55/065 • • Multi-track vehicles, i.e. more than two tracks [4, 2006.01]
- 55/07 • • Mono-track vehicles [4, 2006.01]
- 55/075 • • Tracked vehicles for ascending or descending stairs (magnetic or pneumatic ground-engaging parts B62D 55/265; chairs or personal conveyances specially adapted for patients or disabled persons A61G 5/00) [4, 2006.01]
- 55/08 • Endless-track units; Parts thereof [1, 2006.01]
- 55/084 • • Endless-track units or carriages mounted separably, adjustably or extensibly on vehicles, e.g. portable track units (B62D 55/07 takes precedence) [4, 2006.01]
- 55/088 • • with means to exclude or remove foreign matter e.g. sealing means, self-cleaning track links or sprockets, deflector plates or scrapers [4, 2006.01]
- 55/092 • • with lubrication means (lubricating in general F16N) [4, 2006.01]
- 55/096 • • with noise reducing means [4, 2006.01]
- 55/10 • • Bogies; Frames (track-tensioning means B62D 55/30) [1, 2006.01]
- 55/104 • • Suspension devices for wheels, rollers, bogies or frames (vehicle suspension in general B60G) [4, 2006.01]
- 55/108 • • • with mechanical springs, e.g. torsion bars [4, 2006.01]
- 55/112 • • • with fluid springs, e.g. hydraulic, pneumatic [4, 2006.01]
- 55/116 • • • Attitude or position control of chassis by action on suspension, e.g. to compensate for a slope [4, 2006.01]
- 55/12 • • Arrangement, location, or adaptation of driving sprockets [1, 2006.01]
- 55/125 • • • Final drives [4, 2006.01]
- 55/13 • • • readily interchangeable modular type [4, 2006.01]
- 55/135 • • • with dismountable driving crown [4, 2006.01]
- 55/14 • • Arrangement, location, or adaptation of rollers [1, 2006.01]
- 55/15 • • • Mounting devices, e.g. bushings, axles, bearings, sealings [4, 2006.01]
- 55/18 • • Tracks (self-cleaning track links B62D 55/088) [1, 4, 2006.01]
- 55/20 • • • of articulated type, e.g. chains [1, 2006.01]
- 55/205 • • • Connections between track links [4, 2006.01]
- 55/21 • • • • Links connected by transverse pivot pins [4, 2006.01]
- 55/215 • • • • Resilient connections between links [4, 2006.01]
- 55/22 • • • • Arrangements for preventing or modifying back-flexing [1, 2006.01]
- 55/24 • • • of continuously-flexible type, e.g. rubber belts [1, 2006.01]
- 55/247 • • • • Gas filled or inflatable flexible tracks (connection of valves to inflatable elastic bodies B60C 29/00) [4, 2006.01]
- 55/253 • • • • having elements interconnected by one or more cables or like elements [4, 2006.01]
- 55/26 • • • Ground-engaging parts or elements [1, 2006.01]
- 55/265 • • • • having magnetic or pneumatic adhesion [4, 2006.01]
- 55/27 • • • • having different types of crampons for progression over varying ground [4, 2006.01]
- 55/275 • • • • with street plate, i.e. means to prevent tread from cutting into road surface [4, 2006.01]
- 55/28 • • • • detachable [1, 2006.01]
- 55/30 • • Track-tensioning means [1, 2006.01]
- 55/32 • Assembly, disassembly, repair or servicing of endless-track systems [4, 2006.01]
- 57/00 Vehicles characterised by having other propulsion or other ground-engaging means than wheels or endless track, alone or in addition to wheels or endless track** (sledges B62B; motor sledges B62M) [1, 5, 2006.01]
- 57/02 • with ground-engaging propulsion means, e.g. walking members [1, 2006.01]
- 57/024 • • specially adapted for moving on inclined or vertical surfaces (endless-track vehicles for ascending or descending stairs B62D 55/075; hand-carts with provision for travelling up or down stairs B62B 5/02) [5, 2006.01]
- 57/028 • • having wheels and mechanical legs (B62D 57/024 takes precedence; ground-engaging vehicle fittings for supporting, lifting or manoeuvring the vehicle, wholly or in part B60S 9/00) [5, 2006.01]

## B62D

- 57/032 • • with alternately or sequentially lifted supporting base and leg; with alternately or sequentially lifted feet or skid (B62D 57/024 takes precedence) [5, 2006.01]
- 57/036 • • screw type, e.g. Archimedian screw (B62D 57/024 takes precedence) [5, 2006.01]
- 57/04 • having other than ground-engaging propulsion means, e.g. having propellers (arrangement of jet-propulsion units B60K) [1, 2006.01]
- 59/00 Trailers with driven ground wheels or the like [1, 2006.01]**
- 59/02 • driven from external propulsion unit [1, 2006.01]
- 59/04 • driven from propulsion unit on trailer [1, 2006.01]
- 61/00 Motor vehicles or trailers, characterised by the arrangement or number of wheels, not otherwise provided for, e.g. four wheels in diamond pattern [1, 2006.01]**
- 61/02 • with two road wheels in tandem on the longitudinal centre line of the vehicle [1, 2006.01]
- 61/04 • • with two other wheels which are coaxial [1, 2006.01]
- 61/06 • with only three wheels [1, 2006.01]
- 61/08 • • with single front wheel [1, 2006.01]
- 61/10 • with more than four wheels [1, 2006.01]
- 61/12 • with variable number of ground-engaging wheels, e.g. with some wheels arranged higher than others, or with retractable wheels (for manoeuvring purposes only B60S) [1, 2006.01]
- 63/00 Motor vehicles or trailers not otherwise provided for [1, 2006.01]**
- 63/02 • Motor vehicles [1, 2006.01]
- 63/04 • • Component parts or accessories [1, 2006.01]
- 63/06 • Trailers (vehicles comprising living accommodation for people, e.g. caravans, camping or like vehicles, B60P 3/32) [1, 2006.01]
- 63/08 • • Component parts or accessories [1, 2006.01]
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- 65/00 Designing, manufacturing, e.g. assembling, facilitating disassembly, or structurally modifying motor vehicles or trailers, not otherwise provided for [1, 2006.01]**
- 65/02 • Joining sub-units or components to, or positioning sub-units or components with respect to, body shell or other sub-units or components [7, 2006.01]
- 65/04 • • Joining preassembled modular units composed of sub-units performing diverse functions, e.g. engine and bonnet (B62D 65/06-B62D 65/16 take precedence) [7, 2006.01]
- 65/06 • • the sub-units or components being doors, windows, openable roofs, lids, bonnets, or weather strips or seals therefor [7, 2006.01]
- 65/08 • • • Weather strips or seals [7, 2006.01]
- 65/10 • • the sub-units or components being engines, clutches or transmissions [7, 2006.01]
- 65/12 • • the sub-units or components being suspensions, brakes or wheel units [7, 2006.01]
- 65/14 • • the sub-units or components being passenger compartment fittings, e.g. seats, linings, trim, instrument panels [7, 2006.01]
- 65/16 • • the sub-units or components being exterior fittings, e.g. bumpers, lights, wipers [7, 2006.01]
- 65/18 • Transportation, conveyor or haulage systems specially adapted for motor vehicle or trailer assembly lines [7, 2006.01]
- 67/00 Systematic disassembly of vehicles for recovery of salvageable components, e.g. for recycling (for disposal of vehicles by destroying or transformation B09B 3/00, B09B 5/00) [7, 2006.01]**
- Indexing scheme associated with group B62D 6/00, with the exception of groups B62D 6/02-B62D 6/10, relating to driving conditions sensed and responded to. [5]**
- 101/00 Road speed [5, 2006.01]**
- 103/00 Acceleration or deceleration in the direction of travel [5, 2006.01]**
- 105/00 Loss of traction, e.g. wheel spin or skid [5, 2006.01]**
- 107/00 Temperature [5, 2006.01]**
- 109/00 Presence, absence or inactivity of driver or operator, e.g. by sensing the operation of the clutch, brake or throttle [5, 2006.01]**
- 111/00 Forces disturbing the intended course of the vehicle, e.g. forces acting transversely of the direction of travel [5, 2006.01]**
- 113/00 Position of parts of the steering mechanism, e.g. the steered wheels or the steering wheel [5, 2006.01]**
- 115/00 Angle of articulation of articulated vehicle; Angle of tow-bar to towing vehicle [5, 2006.01]**
- 117/00 Angular velocity of steering wheel [5, 2006.01]**
- 119/00 Steering wheel torque [5, 2006.01]**
- 121/00 Force applied to the steering linkage [5, 2006.01]**
- 123/00 Fluid pressure supply for vehicle equipment, e.g. for power-assisted steering; Presence, failure or threshold values thereof; Lubricating or other fluid capacities [5, 2006.01]**
- 125/00 Particular gear ratio selected [5, 2006.01]**
- 127/00 Engine speed [5, 2006.01]**
- 131/00 Load, including height of vehicle dependent on load; State of vehicle vibration damping means [5, 2006.01]**
- 133/00 Trim or inclination, including road gradient [5, 2006.01]**
- 135/00 Air moisture content [5, 2006.01]**
- 137/00 Conditions not specified in groups B62D 101/00-B62D 135/00 [5, 2006.01]**