

## 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

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Endless-track vehicles and their tracks; vehicles with ground engagement other than by tracks or wheels	55/00, 57/00
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<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 [4, 5]</b>	1/06	• • • Rims, e.g. with heating means; Rim covers (B62D 1/11 takes precedence) [5]
1/02 • vehicle-mounted	1/08	• • • Spokes, e.g. resilient (B62D 1/11 takes precedence) [5]
1/04 • • Hand wheels	1/10	• • • Hubs; Connecting hubs to steering columns, e.g. adjustable (B62D 1/11 takes precedence) [5]

## 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]
- 1/12 • • Hand levers
- 1/14 • • • Tillers, i.e. hand levers operating on steering columns
- 1/16 • • Steering columns
- 1/18 • • • yieldable or adjustable, e.g. tiltable (padded linings associated with the steering column B60R 21/05)

### **Note(s)**

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]
- 1/183 • • • • adjustable between in-use and out-of-use positions, e.g. to improve access [7]
- 1/184 • • • • Mechanisms for locking columns at selected positions [7]
- 1/185 • • • • adjustable by axial displacement, e.g. telescopically (B62D 1/183, B62D 1/187, B62D 1/19 take precedence) [7]
- 1/187 • • • • with tilt adjustment; with tilt and axial adjustment (B62D 1/183, B62D 1/19 take precedence) [7]
- 1/189 • • • • the entire steering column being tiltable as a unit [7]
- 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]
- 1/20 • • • Connecting steering column to steering gear
- 1/22 • • Alternative steering-control elements, e.g. for teaching purposes
- 1/24 • not vehicle-mounted
- 1/26 • • mechanical, e.g. by a non-load-bearing guide (railways B61)
- 1/28 • • non-mechanical

**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)

- 3/02 • mechanical
- 3/04 • • of worm type
- 3/06 • • • with screw and nut
- 3/08 • • • • using intermediate balls or the like
- 3/10 • • • with worm engaging in sector or roller gear
- 3/12 • • of rack-and-pinion type
- 3/14 • hydraulic

**5/00 Power-assisted or power-driven steering** (for non-deflectable wheels B62D 11/00; fluid-pressure servomotors in general F15B)

- 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
- 5/04 • electrical, e.g. using an electric servo-motor connected to, or forming part of, the steering gear
- 5/06 • fluid, i.e. using a pressurised fluid for most or all the force required for steering a vehicle [4]

- 5/065 • • characterised by specially adapted means for varying pressurised fluid supply based on need, e.g. on-demand, variable assist [7]
- 5/07 • • Supply of pressurised fluid for steering also supplying other consumers [4]
- 5/08 • • characterised by type of valve used (valves in general F16K) [4]
- 5/083 • • • Rotary valves [4]
- 5/087 • • • Sliding spool valves [4]
- 5/09 • • characterised by means for actuating valves [4]
- 5/093 • • • Telemotor driven by steering wheel movement (hydraulic steering gear B62D 3/14) [4]
- 5/097 • • • • gerotor type [4]
- 5/10 • • characterised by type of power unit [4]
- 5/12 • • • Piston and cylinder [4]
- 5/14 • • • Rotary motor [4]
- 5/16 • • • Expansible chamber with flexible wall [4]
- 5/18 • • characterised by power transmitting means [4]
- 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]
- 5/22 • • • for rack-and-pinion type [4]
- 5/24 • • • for worm type [4]
- 5/26 • • • for pivoted axles [4]
- 5/28 • • • for pivoted bogies [4]
- 5/30 • • Safety devices, e.g. alternate emergency power supply or transmission means to ensure steering upon failure of the primary steering means [4]
- 5/32 • • for telemotor systems [4]

**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]

### **Note(s)**

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]
- 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]
- 6/06 • responsive only to vehicle vibration dampening arrangements (steering dampers for cycles B62K 21/08) [4]
- 6/08 • responsive only to input torque [6]
- 6/10 • • characterised by the means for sensing torque [6]

**7/00 Steering linkage; Stub axles or their mountings** (B62D 13/00 takes precedence; power-assisted or power-driven steering B62D 5/00) [5]

- 7/02 • for pivoted bogies
- 7/04 • • with more than one wheel
- 7/06 • for individually-pivoted wheels, e.g. on king-pins
- 7/08 • • the pivotal axes being situated in a single plane transverse to the longitudinal centre line of the vehicle

7/09	<ul style="list-style-type: none"> <li>• • • 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]</li> </ul>	13/06	<ul style="list-style-type: none"> <li>• for backing a normally-drawn trailer</li> </ul>
7/10	<ul style="list-style-type: none"> <li>• • • with single-output steering gear</li> </ul>	<b>15/00</b>	<b>Steering not otherwise provided for</b>
7/12	<ul style="list-style-type: none"> <li>• • • with twin-output steering gear</li> </ul>	15/02	<ul style="list-style-type: none"> <li>• Steering position indicators [4]</li> </ul>
7/14	<ul style="list-style-type: none"> <li>• • the pivotal axes being situated in more than one plane transverse to the longitudinal centre line of the vehicle, e.g. all-wheel steering</li> </ul>	<b>17/00</b>	<b>Means on vehicle for adjusting camber, castor, or toe-in</b>
7/15	<ul style="list-style-type: none"> <li>• • • 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]</li> </ul>	<b>19/00</b>	<b>Radius rods, i.e. distance members</b>
7/16	<ul style="list-style-type: none"> <li>• Arrangement of linkage connections (pivots <i>per se</i> F16C)</li> </ul>	<b>Understructures; Superstructures; Vehicle bodies</b>	
7/18	<ul style="list-style-type: none"> <li>• Steering knuckles; King-pins</li> </ul>	<b>21/00</b>	<b>Understructures, i.e. chassis frame on which a vehicle body may be mounted</b> (combined frame and vehicle body B62D 23/00)
7/20	<ul style="list-style-type: none"> <li>• Links, e.g. track rods (means for adjusting camber, castor, or toe-in B62D 17/00)</li> </ul>	21/02	<ul style="list-style-type: none"> <li>• comprising longitudinally or transversely arranged frame members [4]</li> </ul>
7/22	<ul style="list-style-type: none"> <li>• Arrangements for reducing or eliminating reaction, e.g. vibration, from parts, e.g. wheels, of the steering system [5]</li> </ul>	21/03	<ul style="list-style-type: none"> <li>• • transverse members providing body support [4]</li> </ul>
<b>9/00</b>	<b>Steering deflectable wheels not otherwise provided for</b> (steering-position indicators B62D 15/02)	21/04	<ul style="list-style-type: none"> <li>• • single longitudinal type</li> </ul>
9/02	<ul style="list-style-type: none"> <li>• combined with means for inwardly-inclining vehicle body on bends</li> </ul>	21/05	<ul style="list-style-type: none"> <li>• • pinched frame type, i.e. formed of at least two longitudinal frame sections connected by other longitudinal frame sections of lesser transverse dimension [4]</li> </ul>
9/04	<ul style="list-style-type: none"> <li>• combined with means for inclining vehicle wheels on bends (B62D 9/02 takes precedence) [5]</li> </ul>	21/06	<ul style="list-style-type: none"> <li>• 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</li> </ul>
<b>11/00</b>	<b>Steering non-deflectable wheels; Steering endless tracks or the like</b>	21/07	<ul style="list-style-type: none"> <li>• 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]</li> </ul>
11/02	<ul style="list-style-type: none"> <li>• by differentially driving ground-engaging elements on opposite vehicle sides</li> </ul>	21/08	<ul style="list-style-type: none"> <li>• built-up with interlaced cross members ("Fachwerkrahmen")</li> </ul>
11/04	<ul style="list-style-type: none"> <li>• • by means of separate power sources</li> </ul>	21/09	<ul style="list-style-type: none"> <li>• Means for mounting load bearing surfaces [4]</li> </ul>
11/06	<ul style="list-style-type: none"> <li>• • by means of a single main power source</li> </ul>	21/10	<ul style="list-style-type: none"> <li>• in which the main member is plate-like</li> </ul>
11/08	<ul style="list-style-type: none"> <li>• • • using brakes or clutches as main steering-effecting means</li> </ul>	21/11	<ul style="list-style-type: none"> <li>• with resilient means for suspension [4]</li> </ul>
11/10	<ul style="list-style-type: none"> <li>• • • using gearings with differential power outputs on opposite sides, e.g. twin-differential or epicyclic gears</li> </ul>	<b>Note(s)</b>	
11/12	<ul style="list-style-type: none"> <li>• • • • using separate change-speed gearings</li> </ul>	This group <u>does not cover</u> subject matter primarily relating to the suspension, with only a nominal recitation of frame structure, which is covered by subclass B60G.	
11/14	<ul style="list-style-type: none"> <li>• • • • differential power outputs being effected by additional power supply to one side, e.g. power originating from secondary power source</li> </ul>	21/12	<ul style="list-style-type: none"> <li>• assembled from readily-detachable parts</li> </ul>
11/16	<ul style="list-style-type: none"> <li>• • • • the additional power supply being supplied mechanically</li> </ul>	21/14	<ul style="list-style-type: none"> <li>• of adjustable length or width</li> </ul>
11/18	<ul style="list-style-type: none"> <li>• • • • the additional power supply being supplied hydraulically</li> </ul>	21/15	<ul style="list-style-type: none"> <li>• 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]</li> </ul>
11/20	<ul style="list-style-type: none"> <li>• Endless-track steering having pivoted bogie carrying track (B62D 11/02 takes precedence)</li> </ul>	21/16	<ul style="list-style-type: none"> <li>• having fluid storage compartment [4]</li> </ul>
11/22	<ul style="list-style-type: none"> <li>• Endless-track steering being effected by deflecting endless-track rollers or the like</li> </ul>	21/17	<ul style="list-style-type: none"> <li>• forming fluid or electrical conduit means or having other means to accommodate the transmission of a force or signal [4]</li> </ul>
11/24	<ul style="list-style-type: none"> <li>• Endless-track steering specially adapted for vehicles having both steerable wheels and endless track</li> </ul>	21/18	<ul style="list-style-type: none"> <li>• characterised by the vehicle type and not provided for in groups B62D 21/02-B62D 21/17 [4]</li> </ul>
<b>12/00</b>	<b>Steering specially adapted for vehicles operating in tandem or having pivotally connected frames</b> (steering endless tracks or the like B62D 11/00; steering specially adapted for trailers B62D 13/00) [4]	21/20	<ul style="list-style-type: none"> <li>• • trailer type, i.e. a frame specifically constructed for use in a non-powered vehicle [4]</li> </ul>
12/02	<ul style="list-style-type: none"> <li>• for vehicles operating in tandem [4]</li> </ul>	<b>23/00</b>	<b>Combined superstructure and frame, i.e. monocoque constructions</b> (superstructure sub-units B62D 25/00)
<b>13/00</b>	<b>Steering specially adapted for trailers</b> (combined traction and steering hitches B60D)	<b>24/00</b>	<b>Connections between vehicle body and vehicle frame</b> (B62D 23/00, B62D 33/077 take precedence) [5]
13/02	<ul style="list-style-type: none"> <li>• for centrally-pivoted axles</li> </ul>	24/02	<ul style="list-style-type: none"> <li>• Vehicle body, not intended to move relatively to the vehicle frame, and mounted on vibration absorbing mountings, e.g. rubber pads [5]</li> </ul>
13/04	<ul style="list-style-type: none"> <li>• for individually-pivoted wheels</li> </ul>	24/04	<ul style="list-style-type: none"> <li>• Vehicle body mounted on resilient suspension for movement relative to the vehicle frame [5]</li> </ul>

**25/00 Superstructure sub-units; Parts or details thereof not otherwise provided for**

- 25/02 • Side panels
- 25/04 • Door pillars
- 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)
- 25/07 • • having water drainage or guide means integral with roof structure [4]
- 25/08 • Front or rear portions
- 25/10 • • Bonnets or lids
- 25/12 • • • Parts or details thereof (locks E05B; hinges E05D; counterbalancing means E05F; springs F16F)
- 25/13 • • • • Water deflectors [5]
- 25/14 • • Dashboards as superstructure sub-unit (other dashboard aspects B60K)
- 25/16 • • Mud-guards or wings; Wheel cover panels (equipped with means for freeing wheels or tyres from foreign matter B60S)
- 25/18 • • • Parts or details thereof, e.g. mud-guard flaps
- 25/20 • Floors or bottom sub-units
- 25/22 • Running-boards, steps, or the like, as superstructure sub-unit (other arrangements of steps, ladders, or running-boards in vehicles B60R)
- 25/24 • Superstructure sub-units with access openings having movable or removable closures (inlet covers for vehicle fuel tanks B60K 15/05) [5]

**27/00 Connections between superstructure sub-units**

- 27/02 • rigid
- 27/04 • resilient
- 27/06 • readily releasable

**29/00 Superstructures characterised by material thereof**

- 29/02 • predominantly of wood
- 29/04 • predominantly of synthetic material (working of plastics or substances in a plastic state B29)

**31/00 Superstructures for passenger vehicles** (passenger vehicles specially adapted to co-operate with aircraft or terminal buildings B64F 1/31)

- 31/02 • for carrying large numbers of passengers, e.g. omnibus
- 31/04 • with more than one deck

**33/00 Superstructures for load-carrying vehicles** (in which a load-carrying element is movable B60P; liners B60R 13/00)

- 33/02 • Platforms; Open load compartments
- 33/023 • • Sideboard or tailgate structures [5]
- 33/027 • • • movable [5]
- 33/03 • • • • by swinging down [5]
- 33/033 • • • • removable [5]
- 33/037 • • • • Latching means therefor [5]
- 33/04 • Enclosed load compartments
- 33/06 • Drivers' cabs
- 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]
- 33/067 • • • tiltable [5]
- 33/07 • • • • characterised by the device for locking the cab in the tilted or in the driving position [5]
- 33/073 • • • characterised by special adaptations of vehicle control devices [5]

- 33/077 • characterised by the connection of the superstructure to the vehicle frame [5]

- 33/08 • • comprising adjustable means (B62D 33/10 takes precedence) [5]

- 33/10 • • comprising means for the suspension of the superstructure on the frame [5]

**35/00 Vehicle bodies characterised by streamlining**

- 35/02 • Streamlining the undersurfaces

**37/00 Stabilising vehicle bodies without controlling suspension arrangements**

- 37/02 • by aerodynamic means
- 37/04 • by means of movable masses
- 37/06 • • using gyroscopes

**39/00 Vehicle bodies not otherwise provided for****41/00 Fittings for identifying vehicles in case of collision; Fittings for marking or recording collision areas****43/00 Spare wheel stowing, holding, or mounting arrangements**

- 43/02 • external to the vehicle body
- 43/04 • • attached beneath the vehicle body
- 43/06 • within the vehicle body
- 43/08 • • and arranged substantially vertical
- 43/10 • • and arranged substantially horizontal

**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) [3]

- 47/02 • for large numbers of passengers, e.g. omnibus

**49/00 Tractors** (of walk type B62D 51/04; endless-track features B62D 55/00)

- 49/02 • modified to take lifting devices
- 49/04 • modified to take pushing devices
- 49/06 • adapted for multi-purpose use
- 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) [4]

**51/00 Motor vehicles characterised by the driver not being seated**

- 51/02 • the driver standing in the vehicle
- 51/04 • the driver walking
- 51/06 • • Uniaxle walk-type tractors

**53/00 Tractor-trailer combinations; Road trains** (traction couplings other than fifth-wheel couplings B60D)

- 53/02 • comprising a uniaxle tractor unit and a uniaxle trailer unit
- 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
- 53/06 • • Semi-trailers
- 53/08 • • Fifth-wheel traction couplings
- 53/10 • • • with means for preventing accidental uncoupling
- 53/12 • • • engaging automatically

**55/00 Endless-track vehicles** (steering aspects B62D 11/00)

- 55/02 • with tracks and additional ground wheels
- 55/04 • with tracks and alternative ground wheels, e.g. changeable from endless-track vehicle into wheeled vehicle and vice versa
- 55/06 • with tracks and without ground wheels
- 55/065 • • Multi-track vehicles, i.e. more than two tracks [4]
- 55/07 • • Mono-track vehicles [4]
- 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]
- 55/08 • Endless-track units; Parts thereof
- 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]
- 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]
- 55/092 • • with lubrication means (lubricating in general F16N) [4]
- 55/096 • • with noise reducing means [4]
- 55/10 • • Bogies; Frames (track-tensioning means B62D 55/30)
- 55/104 • • Suspension devices for wheels, rollers, bogies or frames (vehicle suspension in general B60G) [4]
- 55/108 • • • with mechanical springs, e.g. torsion bars [4]
- 55/112 • • • with fluid springs, e.g. hydraulic, pneumatic [4]
- 55/116 • • • Attitude or position control of chassis by action on suspension, e.g. to compensate for a slope [4]
- 55/12 • • Arrangement, location, or adaptation of driving sprockets
- 55/125 • • • Final drives [4]
- 55/13 • • • readily interchangeable modular type [4]
- 55/135 • • • with dismountable driving crown [4]
- 55/14 • • Arrangement, location, or adaptation of rollers
- 55/15 • • Mounting devices, e.g. bushings, axles, bearings, sealings [4]
- 55/18 • • Tracks (self-cleaning track links B62D 55/088) [4]
- 55/20 • • • of articulated type, e.g. chains
- 55/205 • • • • Connections between track links [4]
- 55/21 • • • • Links connected by transverse pivot pins [4]
- 55/215 • • • • Resilient connections between links [4]
- 55/22 • • • • Arrangements for preventing or modifying back-flexing
- 55/24 • • • of continuously-flexible type, e.g. rubber belts
- 55/247 • • • • Gas filled or inflatable flexible tracks (connection of valves to inflatable elastic bodies B60C 29/00) [4]
- 55/253 • • • • having elements interconnected by one or more cables or like elements [4]
- 55/26 • • • Ground-engaging parts or elements
- 55/265 • • • • having magnetic or pneumatic adhesion [4]
- 55/27 • • • • having different types of crampons for progression over varying ground [4]
- 55/275 • • • • with street plate, i.e. means to prevent tread from cutting into road surface [4]
- 55/28 • • • • detachable
- 55/30 • • Track-tensioning means
- 55/32 • Assembly, disassembly, repair or servicing of endless-track systems [4]
- 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) [5]**
- 57/02 • with ground-engaging propulsion means, e.g. walking members
- 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]
- 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]
- 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]
- 57/036 • • screw type, e.g. Archimedian screw (B62D 57/024 takes precedence) [5]
- 57/04 • having other than ground-engaging propulsion means, e.g. having propellers (arrangement of jet-propulsion units B60K)
- 59/00 **Trailers with driven ground wheels or the like**
- 59/02 • driven from external propulsion unit
- 59/04 • driven from propulsion unit on trailer
- 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**
- 61/02 • with two road wheels in tandem on the longitudinal centre line of the vehicle
- 61/04 • • with two other wheels which are coaxial
- 61/06 • with only three wheels
- 61/08 • • with single front wheel
- 61/10 • with more than four wheels
- 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)
- 63/00 **Motor vehicles or trailers not otherwise provided for**
- 63/02 • Motor vehicles
- 63/04 • • Component parts or accessories
- 63/06 • Trailers (vehicles comprising living accommodation for people, e.g. caravans, camping or like vehicles, B60P 3/32)
- 63/08 • • Component parts or accessories

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- 65/00 **Designing, manufacturing, e.g. assembling, facilitating disassembly, or structurally modifying motor vehicles or trailers, not otherwise provided for**
- 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]
- 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]
- 65/06 • • the sub-units or components being doors, windows, openable roofs, lids, bonnets, or weather strips or seals therefor [7]
- 65/08 • • • Weather strips or seals [7]
- 65/10 • • the sub-units or components being engines, clutches or transmissions [7]

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- 65/12 • • the sub-units or components being suspensions, brakes or wheel units [7]
- 65/14 • • the sub-units or components being passenger compartment fittings, e.g. seats, linings, trim, instrument panels [7]
- 65/16 • • the sub-units or components being exterior fittings, e.g. bumpers, lights, wipers [7]
- 65/18 • Transportation, conveyor or haulage systems specially adapted for motor vehicle or trailer assembly lines [7]

**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]

**Indexing scheme associated with group B62D 6/00, but excluding groups B62D 6/02-B62D 6/10, relating to driving conditions sensed and responded to. [5]**

- 101/00 Road speed [5]**
- 103/00 Acceleration or deceleration in the direction of travel [5]**
- 105/00 Loss of traction, e.g. wheel spin or skid [5]**
- 107/00 Temperature [5]**
- 109/00 Presence, absence or inactivity of driver or operator, e.g. by sensing the operation of the clutch, brake or throttle [5]**

- 111/00 Forces disturbing the intended course of the vehicle, e.g. forces acting transversely of the direction of travel [5]**
- 113/00 Position of parts of the steering mechanism, e.g. the steered wheels or the steering wheel [5]**
- 115/00 Angle of articulation of articulated vehicle; Angle of tow-bar to towing vehicle [5]**
- 117/00 Angular velocity of steering wheel [5]**
- 119/00 Steering wheel torque [5]**
- 121/00 Force applied to the steering linkage [5]**
- 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]**
- 125/00 Particular gear ratio selected [5]**
- 127/00 Engine speed [5]**
- 131/00 Load, including height of vehicle dependent on load; State of vehicle vibration damping means [5]**
- 133/00 Trim or inclination, including road gradient [5]**
- 135/00 Air moisture content [5]**
- 137/00 Conditions not specified in groups B62D 101/00-B62D 135/00 [5]**