

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING (NOTES omitted)

### 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](#); motor-cycles, accessories therefor [B62J](#), [B62K](#); testing of vehicles [G01M](#))

#### NOTE

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

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

#### WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

<a href="#">B62D 25/13</a>	covered by	<a href="#">B60J 1/20, B60R 13/07</a>
<a href="#">B62D 25/22</a>	covered by	<a href="#">B60R 3/00</a>
<a href="#">B62D 65/08</a>	covered by	<a href="#">B60J 10/45</a>
<a href="#">B62D 101/00-B62D 137/00</a>	covered by	<a href="#">B62D 6/00 - B62D 6/008</a>

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

#### Steering of motor vehicles or trailers

<b>1/00</b>	<b>Steering controls, i.e. means for initiating a change of direction of the vehicle</b>	1/065 . . . {Steering wheels with heating and ventilating means (heating and ventilation of steering wheel when connected to vehicle HVAC <a href="#">B60H 1/00292</a> )}
1/02	. vehicle-mounted	1/08 . . . Spokes, e.g. resilient ( <a href="#">B62D 1/11 takes precedence</a> )
1/04	. . Hand wheels	1/10 . . . Hubs; Connecting hubs to steering columns, e.g. adjustable ( <a href="#">B62D 1/11 takes precedence</a> )
1/043	. . . {with a device allowing single-hand operation of the steering wheel}	1/105 . . . {Non-rotatable hubs, e.g. the central part of the steering wheel not rotating}
1/046	. . . {Adaptations on rotatable parts of the steering wheel for accommodation of switches}	1/11 . . . incorporating energy-absorbing arrangements, e.g. by being yieldable or collapsible (padded linings associated with the steering wheel <a href="#">B60R 21/05</a> ; shock absorbers using plastic deformation of members in general <a href="#">F16F 7/12</a> )
1/06	. . . Rims, e.g. with heating means; Rim covers ( <a href="#">B62D 1/11 takes precedence</a> )	

1/12	... Hand levers	3/123	... {characterised by pressure yokes}
1/14	... Tillers, i.e. hand levers operating on steering columns	3/126	... {characterised by the rack}
1/16	... Steering columns	3/14	. hydraulic
1/163	... {Part of the steering column replaced by flexible means, e.g. cable or belt}	<b>5/00</b>	<b>Power-assisted or power-driven steering (for non-deflectable wheels B62D 11/00; fluid-pressure servomotors in general F15B)</b>
1/166	... {Means changing the transfer ratio between steering wheel and steering gear}	5/001	. {Mechanical components or aspects of steer-by-wire systems, not otherwise provided for in this maingroup}
1/18	... yieldable or adjustable, e.g. tiltable (padded linings associated with the steering column B60R 21/05)	5/003	. . {Backup systems, e.g. for manual steering (B62D 5/30 takes precedence)}
	<b>NOTE</b>	5/005	. . {means for generating torque on steering wheel or input member, e.g. feedback}
	Group <a href="#">B62D 1/181</a> takes precedence over groups <a href="#">B62D 1/183 - B62D 1/187</a> .	5/006	. . . {power actuated}
1/181	... . with power actuated adjustment, e.g. with position memory	5/008	. . {Changing the transfer ratio between the steering wheel and the steering gear by variable supply of energy, e.g. by using a superposition gear}
1/183	... . adjustable between in-use and out-of-use positions, e.g. to improve access	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
1/184	... . Mechanisms for locking columns at selected positions	5/04	. electrical, e.g. using an electric servo-motor connected to, or forming part of, the steering gear
1/185	... . adjustable by axial displacement, e.g. telescopically ( <a href="#">B62D 1/183</a> , <a href="#">B62D 1/187</a> , <a href="#">B62D 1/19</a> take precedence)	5/0403	. . {characterised by constructional features, e.g. common housing for motor and gear box}
1/187	... . with tilt adjustment; with tilt and axial adjustment ( <a href="#">B62D 1/183</a> , <a href="#">B62D 1/19</a> takes precedence)	5/0406	. . . {including housing for electronic control unit}
1/189	... . the entire column being tiltable as a unit	5/0409	. . . {Electric motor acting on the steering column}
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)	5/0412	. . . {the axes of motor and steering column being parallel}
1/192	... . . {Yieldable or collapsible columns}	5/0415	. . . . {the axes being coaxial}
1/195	... . . {Yieldable supports for the steering column}	5/0418	. . . . {Electric motor acting on road wheel carriers}
1/197	... . . . {incorporating devices for preventing ingress of the steering column into the passengers space in case of accident}	5/0421	. . . . {Electric motor acting on or near steering gear}
1/20	... . Connecting steering column to steering gear	5/0424	. . . . {the axes of motor and final driven element of steering gear, e.g. rack, being parallel}
1/22	... . Alternative steering-control elements, e.g. for teaching purposes	5/0427	. . . . {the axes being coaxial}
1/24	... . not vehicle-mounted	5/043	. . . . {characterised by clutch means between driving element, e.g. motor, and driven element, e.g. steering column or steering gear}
1/26	... . mechanical, e.g. by a non-load-bearing guide (railways B61)	5/0433	. . . . {the clutch being of on-off type}
1/265	... . {especially adapted for guiding road vehicles carrying loads or passengers, e.g. in urban networks for public transportation}	5/0436	. . . . {the clutch being a controlled emergency clutch, e.g. for disconnecting at motor breakdown}
1/28	... . non-mechanical {, e.g. following a line or other known markers}	5/0439	. . . . {Controllable friction clutches ( <a href="#">B62D 5/0436</a> takes precedence)}
1/283	... . {for unmanned vehicles}	5/0442	. . . . {Conversion of rotational into longitudinal movement}
1/286	... . {Systems for interrupting non-mechanical steering due to driver intervention}	5/0445	. . . . {Screw drives}
<b>3/00</b>	<b>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)</b>	5/0448	. . . . {Ball nuts}
3/02	. mechanical	5/0451	. . . . {Roller spindle drives}
3/04	. . of worm type	5/0454	. . . . {Worm gears}
3/06	. . . with screw and nut	5/0457	. . . . {characterised by control features of the drive means as such}
3/08	. . . . using intermediate balls or the like	5/046	. . . . {Controlling the motor}
3/10	. . . . with worm engaging in sector or roller gear	5/0463	. . . . {calculating assisting torque from the motor based on driver input}
3/12	. . . of rack-and-pinion type	5/0466	. . . . {for returning the steering wheel to neutral position}
		5/0469	. . . . {End-of-stroke control}
		5/0472	. . . . {for damping vibrations}
		5/0475	. . . . {Controlling other elements}
		5/0478	. . . . {Clutches}
		5/0481	. . . . {monitoring the steering system, e.g. failures}
		5/0484	. . . . {for reaction to failures, e.g. limp home}

5/0487	. . . . {detecting motor faults ( <a href="#">B62D 5/0496 takes precedence</a> )}	6/00	<b>Arrangements for automatically controlling steering depending on driving conditions sensed and responded to, e.g. control circuits</b> ( <a href="#">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</a> )
5/049	. . . . {detecting sensor failures}		
5/0493	. . . . {detecting processor errors, e.g. plausibility of steering direction}		
5/0496	. . . . {by using a temperature sensor}		
5/06	. fluid, i.e. using a pressurised fluid for most or all the force required for steering a vehicle		
5/061	. . . {provided with effort, steering lock, or end-of-stroke limiters}		
5/062	. . . {Details, component parts}		
5/063	. . . {Pump driven by vehicle engine ( <a href="#">B62D 5/065 takes precedence</a> )}		
5/064	. . . {Pump driven independently from vehicle engine, e.g. electric driven pump ( <a href="#">B62D 5/065 takes precedence</a> )}		
5/065	. . . characterised by specially adapted means for varying pressurised fluid supply based on need, e.g. on-demand, variable assist		
5/07	. . Supply of pressurised fluid for steering also supplying other consumers {; control thereof}		
5/075	. . . {using priority valves}		
5/08	. . . characterised by type of {steering} valve used ( <a href="#">valves in general F16K</a> )		
5/081	. . . {Seat valves}		
5/083	. . . Rotary valves		
5/0832	. . . . {with elastic means other than a torsion bar, e.g. leaf springs}		
5/0835	. . . . {characterised by means for actively influencing the deflection angle of the valve, e.g. depending on driving parameters}		
5/0837	. . . . {characterised by the shape of the control edges, e.g. to reduce noise}		
5/087	. . . Sliding spool valves		
5/09	. . . characterised by means for actuating valves		
5/091	. . . . {Hydraulic steer-by-wire systems, e.g. the valve being actuated by an electric motor}		
5/092	. . . . {the electric motor being connected to the final driven element of the steering gear, e.g. rack}		
5/093	. . . Telemotor driven by steering wheel movement ( <a href="#">hydraulic steering gear B62D 3/14</a> )		
5/097	. . . . gerotor type	7/00	<b>Steering linkage; Stub axles or their mountings</b> ( <a href="#">B62D 13/00 takes precedence; power-assisted or power-driven steering B62D 5/00</a> )
5/10	. . . characterised by type of power unit	7/02	. for pivoted bogies
5/12	. . . Piston and cylinder	7/023	. . . {Steering turntables}
5/14	. . . Rotary motor	7/026	. . . {characterised by comprising more than one bogie, e.g. situated in more than one plane transversal to the longitudinal centre line of the vehicle}
5/16	. . . Expansible chamber with flexible wall	7/04	. . . with more than one wheel
5/18	. . . characterised by power transmitting means	7/06	. for individually-pivoted wheels, e.g. on king-pins
5/20	. . . specially adapted for particular type of steering gear or particular application ( <a href="#">steering gears per se B62D 3/00; steering linkages not characterised by being power-assisted or power-driven B62D 7/00</a> )	7/08	. . . the pivotal axes being situated in a single plane transverse to the longitudinal centre line of the vehicle
5/22	. . . for rack-and-pinion type	7/09	. . . characterised by means varying the ratio between the steering angles of the steered wheels ( <a href="#">varying the ratio automatically depending on driving conditions B62D 6/00</a> )
5/24	. . . for worm type	7/10	. . . with single-output steering gear
5/26	. . . for pivoted axles	7/12	. . . with twin-output steering gear
5/28	. . . for pivoted bogies	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
5/30	. . . Safety devices, e.g. alternate emergency power supply or transmission means to ensure steering upon failure of the primary steering means	7/142	. . . {specially adapted for particular vehicles, e.g. tractors, carts, earth-moving vehicles, trucks}
5/32	. . . for telemotor systems		

7/144	. . . . . {for vehicles with more than two axles}	11/00	<b>Steering non-deflectable wheels; Steering endless tracks or the like</b>
7/146	. . . {characterised by comprising means for steering by acting on the suspension system, e.g. on the mountings of the suspension arms}		<b>NOTE</b>
7/148	. . . {provided with safety devices}		Gearings of interest apart from this application are also classified in the relevant group of subclass <a href="#">F16H</a> covering gearings <i>per se</i>
7/15	. . . characterised by means varying the ratio between the steering angles of the steered wheels ( <a href="#">B62D 7/148 takes precedence</a> )	11/001	. {control systems ( <a href="#">B62D 11/183 takes precedence</a> )}
7/1509	. . . . . {with different steering modes, e.g. crab-steering, or steering specially adapted for reversing of the vehicle}		<b>NOTE</b>
7/1518	. . . . . {comprising a mechanical interconnecting system between the steering control means of the different axles}		{When classifying in this group, classification is also made in the appropriate one of groups <a href="#">B62D 11/02 - B62D 11/24</a> if other aspects of the steering system are of interest}
7/1527	. . . . . {comprising only mechanical parts, i.e. without assistance means}	11/003	. . {Electric or electronic control systems}
7/1536	. . . . . {provided with hydraulic assistance}	11/005	. . {Hydraulic control systems}
7/1545	. . . . . {provided with electrical assistance}	11/006	. . {Mechanical control systems}
7/1554	. . . . . {comprising a fluid interconnecting system between the steering control means of the different axles}	11/008	. . {Pneumatic control systems}
7/1563	. . . . . {provided with fluid control means ( <a href="#">B62D 7/1572 takes precedence</a> )}	11/02	. by differentially driving ground-engaging elements on opposite vehicle sides
7/1572	. . . . . {provided with electro-hydraulic control means}	11/04	. . by means of separate power sources
7/1581	. . . . . {characterised by comprising an electrical interconnecting system between the steering control means of the different axles}	11/06	. . by means of a single main power source
7/159	. . . . . {characterised by computing methods or stabilisation processes or systems, e.g. responding to yaw rate, lateral wind, load, road condition}	11/08	. . . using brakes or clutches as main steering-effecting means
7/16	. Arrangement of linkage connections ( <a href="#">pivots per se F16C</a> )	11/10	. . . using gearings with differential power outputs on opposite sides, e.g. twin-differential or epicyclic gears
7/163	. . {substantially in axial direction, e.g. between rack bar and tie-rod}	11/105	. . . . . {using variable ratio belt and pulley gearings}
7/166	. . {substantially perpendicular, e.g. between tie-rod and steering knuckle}	11/12	. . . . . using separate change-speed gearings
7/18	. Steering knuckles; King pins	11/14	. . . . . differential power outputs being effected by additional power supply to one side, e.g. power originating from secondary power source
7/20	. Links, e.g. track rods ( <a href="#">means for adjusting camber, castor, or toe-in B62D 17/00</a> )	11/16	. . . . . the additional power supply being supplied mechanically
7/22	. Arrangements for reducing or eliminating reaction, e.g. vibration, from parts, e.g. wheels, of the steering system	11/18	. . . . . the additional power supply being supplied hydraulically
7/222	. . {acting on the steering wheel}	11/183	. . . . . {Control systems therefor}
7/224	. . {acting between the steering wheel and the steering gear, e.g. on the steering column}	11/186	. . . . . {Uncoupling devices for the hydraulic motors, e.g. to allow towing}
7/226	. . {acting on the steering gear}	11/20	. Endless-track steering having pivoted bogie carrying track ( <a href="#">B62D 11/02 takes precedence</a> )
7/228	. . {acting between the steering gear and the road wheels, e.g. on tie-rod}	11/22	. Endless track steering being effected by deflecting endless track rollers or the like
<b>9/00</b>	<b>Steering deflectable wheels not otherwise provided for</b> ( <a href="#">steering positon indicators B62D 15/02</a> )	11/24	. Endless track steering specially adapted for vehicles having both steerable wheels and endless track
9/002	. {combined with means for differentially distributing power on the deflectable wheels during cornering}	<b>12/00</b>	<b>Steering specially adapted for vehicles operating in tandem or having pivotally connected frames</b> ( <a href="#">steering endless tracks or the like B62D 11/00; steering specially adapted for trailers B62D 13/00</a> )
9/005	. {Emergency systems using brakes for steering}	12/02	. for vehicles operating in tandem
9/007	. {Emergency systems using the steering system for braking}	<b>13/00</b>	<b>Steering specially adapted for trailers</b> ( <a href="#">combined traction and steering hitches B60D</a> )
9/02	. combined with means for inwardly inclining vehicle body on bends	13/005	. {operated from tractor steering system}
9/04	. combined with means for {inwardly} inclining wheels on bends ( <a href="#">B62D 9/02 takes precedence</a> )	13/02	. for centrally-pivoted axles
		13/025	. . {the pivoted movement being initiated by the coupling means between tractor and trailer}
		13/04	. for individually-pivoted wheels
		13/06	. for backing a normally drawn trailer
		<b>15/00</b>	<b>Steering not otherwise provided for</b>

15/02	. Steering position indicators {; Steering position determination; Steering aids}	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
15/0205	. . {Mechanical indicators, e.g. in or near steering wheel}	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
15/021	. . {Determination of steering angle}	21/08	. built up with interlaced cross members
15/0215	. . . {by measuring on the steering column}	21/09	. Means for mounting load bearing surfaces
15/022	. . . . {on or near the connection between the steering wheel and steering column}	21/10	. in which the main member is plate-like
15/0225	. . . . {by measuring on a steering gear element, e.g. on a rack bar}	21/11	. with resilient means for suspension {, e.g. of wheels or engine; sub-frames for mounting engine or suspensions}
15/023	. . . . {by measuring on the king pin}		<b>NOTE</b>
15/0235	. . . . {by measuring or deriving directly at the electric power steering motor}		This group does not cover subject matter primarily relating to the suspension, with only a nominal recitation of frame structure, which are covered by subclass <b>B60G</b>
15/024	. . . . {Other means for determination of steering angle without directly measuring it, e.g. deriving from wheel speeds on different sides of the car}	21/12	. assembled from readily detachable parts
15/0245	. . . . {Means or methods for determination of the central position of the steering system, e.g. straight ahead position}	21/14	. of adjustable length or width
15/025	. . . . {Active steering aids, e.g. helping the driver by actively influencing the steering system after environment evaluation ( <a href="#">B62D 1/28 takes precedence</a> )}	21/15	. having impact absorbing means, e.g. a frame designed to permanently or temporarily change shape or dimension upon impact with another body ( <a href="#">bumpers B60R 19/02; shock absorbers in general F16F</a> )
15/0255	. . . . {Automatic changing of lane, e.g. for passing another vehicle}	21/152	. . . {Front or rear frames}
15/026	. . . . {combined with automatic distance control, i.e. electronic tow bar}	21/155	. . . . {Sub-frames or underguards}
15/0265	. . . . {Automatic obstacle avoidance by steering}	21/157	. . . {for side impacts}
15/027	. . . . {Parking aids, e.g. instruction means}	21/16	. having fluid storage compartment
15/0275	. . . . {by overlaying a vehicle path based on present steering angle over an image without processing that image}	21/17	. forming fluid or electrical conduit means or having other means to accommodate the transmission of a force or signal
15/028	. . . . {Guided parking by providing commands to the driver, e.g. acoustically or optically}	21/18	. characterised by the vehicle type and not provided for in groups <a href="#">B62D 21/02 - B62D 21/17</a>
15/0285	. . . . {Parking performed automatically}	21/183	. . . {specially adapted for sports vehicles, e.g. race, dune buggies, go-karts ( <a href="#">tubular skeleton B62D 23/005</a> )}
15/029	. . . . {Steering assistants using warnings or proposing actions to the driver without influencing the steering system}	21/186	. . . {for building site vehicles or multi-purpose tractors ( <a href="#">tracked vehicles B62D 55/10; tractors in general B62D 49/00; building site vehicles in general E02F; lift-trucks B66F</a> )}
15/0295	. . . . {by overlaying a vehicle path based on present steering angle over an image without processing that image}	21/20	. . trailer type, i.e. a frame specifically constructed for use in a non-powered vehicle

**17/00 Means on vehicles for adjusting camber, castor, or toe-in**

**19/00 Radius rods, i.e. distance members**

#### Understructures; Superstructures; Vehicle bodies

21/00	<b>Understructures, i.e. chassis frame on which a vehicle body may be mounted (combined frame and vehicle body <a href="#">B62D 23/00</a> {; characterised by the material thereof <a href="#">B62D 29/00</a>})</b>
21/02	. comprising longitudinally or transversely arranged frame members
21/03	. . transverse members providing body support
21/04	. . single longitudinal type
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

**23/00 Combined superstructure and frame, i.e. monocoque constructions ({having impact absorbing means [B62D 21/15](#); } superstructure {or monocoque structure} sub-units {or parts or details thereof} [B62D 25/00](#) {; characterised by the material thereof [B62D 29/00](#)})**

23/005	. {with integrated chassis in the whole shell, e.g. meshwork, tubes, or the like ( <a href="#">B62D 33/044 takes precedence</a> )}
24/00	<b>Connections between vehicle body and vehicle frame (<a href="#">B62D 23/00, B62D 33/077 take precedence</a>)</b>
24/02	. Vehicle body, not intended to move relatively to the vehicle frame, and mounted on vibration absorbing mountings, e.g. rubber pads
24/04	. Vehicle body mounted on resilient suspension for movement relative to the vehicle frame

25/00	<b>Superstructure {or monocoque structure} sub-units; Parts or details thereof not otherwise provided for {having impact absorbing means B62D 21/15; running-boards, steps, or the like as superstructure sub-unit B60R 3/00)}</b>	25/20	. Floors or bottom sub-units { <u>(sub-frames for mounting engine or suspensions B62D 21/11; drip trays F16N 31/006)</u> }
25/02	. Side panels { <u>(B62D 33/046 takes precedence; sideboards for open load compartments B62D 33/023)</u> }	25/2009	. . . {in connection with other superstructure subunits}
25/025	. . {Side sills thereof}	25/2018	. . . {the subunits being front structures}
25/04	. Door pillars {; windshield pillars}	25/2027	. . . {the subunits being rear structures}
25/06	. Fixed roofs {non-fixed roofs or like shelters B60J 7/00; roof liners B60R 13/02; insulating elements B60R 13/08)}	25/2036	. . . {the subunits being side panels, sills or pillars <u>(B62D 21/157 takes precedence)</u> }
25/07	. . having water drainage or guide means integral with roof structure	25/2045	. . . {the subunits being fire walls}
25/08	. Front or rear portions { <u>(sub-frames for mounting engine or suspensions B62D 21/11)</u> }	25/2054	. . {Load carrying floors for commercial vehicles}
25/081	. . {Cowls (ventilating openings situated directly in front of the vehicle front window B60H 1/28)}	25/2063	. . {Floor elements for repairs}
25/082	. . {Engine compartments}	25/2072	. . {Floor protection, e.g. from corrosion or scratching (floor mats B60N 3/04, armour F41H 7/042, insulation B60R 13/08, streamlining B62D 35/02)}
25/084	. . . {Radiator supports}	25/2081	. . {Jack receiving devices}
25/085	. . . {Front-end modules}	25/209	. . {Arrangements for the mounting of vehicle hitches <u>(vehicle connections in general B60D)</u> }
25/087	. . . {Luggage compartments}	25/24	. Superstructure sub-units with access {or drainage} openings having movable or removable closures; {Sealing means therefor} <u>(inlet covers for vehicle fuel tanks B60K 15/05)</u>
25/088	. . . {Details of structures as upper supports for springs or dampers}	27/00	<b>Connections between superstructure {or understructure} sub-units {<u>(B62D 33/0207, B62D 33/044 take precedence; between sub-units predominantly made of synthetic material B62D 29/048)</u>}</b>
25/10	. Bonnets or lids {, e.g. for trucks, tractors, busses, work vehicles <u>(for truck beds B60J 7/1607; for boats B63B 19/12; doors arranged at the vehicle rear B60J 5/10; inlet covers for vehicle fuel tanks B60K 15/05; for protecting non-occupants of a vehicle B60R 21/38)</u> }	27/02	. rigid
25/105	. . . {for motor cars}	27/023	. . {Assembly of structural joints}
25/12	. . . Parts or details thereof {locks E05B, {E05B 83/16; devices for holding open E05C 17/00, e.g. while carrying oversize objects E05C 17/042}; hinges E05D; counterbalancing means E05F; {checks, stops, buffers E05F 5/00; } springs, {e.g. pneumatic springs} F16F}	27/026	. . {Connections by glue bonding <u>(in general F16B 11/00; processes C09J 5/00)</u> }
25/14	. . Dashboards as superstructure sub-units (other dashboard aspects B60K)	27/04	. resilient
25/142	. . . {having ventilation channels incorporated therein}	27/06	. readily releasable
25/145	. . . {having a crossbeam incorporated therein}	27/065	. . {using screwthread <u>(connection of crossbeam to A-pillars B62D 25/147; mounting load bearing surfaces B62D 21/09; securing mudguards B62D 25/163; connections for synthetic parts B62D 29/048)</u> }
25/147	. . . . {with adjustable connection to the A-pillars}	29/00	<b>Superstructures, {understructures, or sub-units thereof,} characterised by the material thereof {<u>(B62D 33/044, B62D 33/048 take precedence)</u>}</b>
25/16	. . Mud-guards or wings; Wheel cover panels {equipped with means for freeing wheels or tyres from foreign matter B60S)	29/001	. {characterised by combining metal and synthetic material}
25/161	. . . {Mud-guards made of non-conventional material, e.g. rubber, plastics}	29/002	. . {a foamable synthetic material or metal being added <u>in situ</u> <u>(shaping of substances in a plastic state by foaming, in general B29C 44/00)</u> }
25/163	. . . {Mounting devices}	29/004	. . {the metal being over-moulded by the synthetic material, e.g. in a mould}
25/165	. . . . {including sealing devices}	29/005	. . {preformed metal and synthetic material elements being joined together, e.g. by adhesives}
25/166	. . . . {by rods or other distance-keeping devices}	29/007	. {predominantly of special steel or specially treated steel, e.g. stainless steel or locally surface hardened steel}
25/168	. . . {Mud guards for utility vehicles}	29/008	. . {predominantly of light alloys, e.g. extruded}
25/18	. . . Parts or details thereof, e.g. mudguard flaps	29/02	. predominantly of wood
25/182	. . . . {Movable mudguards, or mudguards comprising movable or detachable parts <u>(B62D 25/188 takes precedence)</u> }	29/04	. predominantly of synthetic material <u>(working of plastics or substances in a plastic state B29)</u>
25/184	. . . . . {to facilitate access to wheels}	29/041	. . {Understructures}
25/186	. . . . . {being attached or suspended laterally from the wheel <u>(B62D 25/184 takes precedence)</u> }	29/043	. . {Superstructures <u>(B62D 25/161 takes precedence)</u> }
25/188	. . . . . {Mud-guard flaps for utility vehicles}	29/045	. . . {Van bodies composed of substantially rectangular panels}

29/046	. . {Combined superstructure and frame, i.e. monocoque constructions}	33/0604	. . {Cabs insulated against vibrations or noise, e.g. with elastic suspension ( <a href="#">resilient connections between superstructure sub-units B62D 27/04</a> ; damping noise in general <a href="#">G10K 11/00</a> ; for vehicles in general <a href="#">B60R 13/08</a> )}
29/048	. . {Connections therefor, e.g. joints ( <a href="#">B62D 29/045 takes precedence</a> )}	33/0608	. . . {pneumatic or hydraulic suspension}
<b>31/00</b>	<b>Superstructures for passenger vehicles</b> (passenger vehicles specially adapted to co-operate with aircraft or terminal buildings <a href="#">B64F 1/31</a> )	33/0612	. . . {Cabins with living accommodation, especially for long distance road vehicles, i.e. sleeping, cooking, or other facilities ( <a href="#">beds in general adapted to be used in vehicles A47C 17/80</a> ; sanitation devices in vehicles in general <a href="#">B60R 15/00</a> ; living accommodation in vehicles in general <a href="#">B60P 3/32</a> ; passenger fittings in general <a href="#">B60N 3/00</a> )}
31/003	. . {compact cars, e.g. city cars}	33/0617	. . . {for tractors or off-the-road vehicles ( <a href="#">protective devices for drivers in case of overturning of tractors B60R 21/131</a> )}
31/006	. . . {foldable ( <a href="#">droppable B60F 5/006</a> )}	33/0621	. . . {able to be dismantled, folding}
31/02	. . for carrying large numbers of passengers, e.g. omnibus	33/0625	. . . {open}
31/025	. . . {having modular sections}	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
31/04	. . with more than one deck	33/0633	. . . {pivotable about a vertical axis}
<b>33/00</b>	<b>Superstructures for load-carrying vehicles</b> ({having impact absorbing means <a href="#">B62D 21/15</a> ; in which a load-carrying element is movable <a href="#">B60P</a> ; liners <a href="#">B60R 13/00</a> ; joining sheets or plates to one another or to strips or bars parallel to them <a href="#">F16B 5/00</a> })	33/0636	. . . {displaceable along a linear path}
33/02	. . Platforms; Open load compartments {( <a href="#">flat wagons including posts or standards B61D 3/08</a> )}	33/067	. . . tiltable
33/0207	. . . {Connections of movable or detachable racks or stanchions to platforms}	33/07	. . . . characterised by the device for locking the cab in the tilted or in the driving position
33/0215	. . . . {for log hauling vehicles (vehicles for log transport in general <a href="#">B60P 3/41</a> )}	33/071	. . . . . {Locking devices for cabins in driving position; Shock and vibration absorbing devices therefor}
33/0222	. . . {Connecting elements between stanchions, e.g. roof supporting elements, stiffeners ( <a href="#">non-fixed roofs B60J 7/00</a> ; securing and covering of load <a href="#">B60P 7/00</a> )}	33/073	. . . characterised by special adaptations of vehicle control devices
33/023	. . . Sideboard or tailgate structures {( <a href="#">vehicle side panels in general B62D 25/02</a> )}	33/077	. . characterised by the connection of the superstructure to the vehicle frame {( <a href="#">B62D 33/06 takes precedence</a> )}
33/027	. . . . movable	33/08	. . comprising adjustable means ( <a href="#">B62D 33/10 takes precedence</a> )
33/0273	. . . . . {Movable tailboards for vehicles comprising non-movable sideboards, e.g. pick-up trucks ( <a href="#">B62D 33/037 takes precedence</a> )}	33/10	. . . comprising means for the suspension of the superstructure on the frame
33/0276	. . . . . {by vertical translation ( <a href="#">B62D 33/0273 takes precedence</a> )}	<b>35/00</b>	<b>Vehicle bodies characterised by streamlining</b>
33/03	. . . . . by swinging down {( <a href="#">B62D 33/0273 takes precedence</a> )}	35/001	. . {For commercial vehicles or tractor-trailer combinations, e.g. caravans}
33/033	. . . . . removable {( <a href="#">B62D 33/0273 takes precedence</a> )}	35/002	. . . {for caravans ( <a href="#">B62D 35/004 takes precedence</a> )}
33/037	. . . . . Latching means therefor	35/004	. . . {Inflatable nose or rear cones}
33/04	. . Enclosed load compartments {; Frameworks for movable panels, tarpaulins or side curtains (side curtains <i>per se</i> <a href="#">B60J 5/065</a> ; tarpaulins <i>per se</i> <a href="#">B60J 7/00</a> , <a href="#">B60P 7/04</a> )}	35/005	. . . {Front spoilers ( <a href="#">B62D 35/001 takes precedence</a> )}
33/042	. . . {divided into compartments (movable bulk heads <a href="#">B60P 7/14</a> ; cattle transport <a href="#">B60P 3/04</a> ; bottled liquids <a href="#">B60P 3/22</a> )}	35/007	. . . {Rear spoilers ( <a href="#">B62D 35/001 takes precedence</a> )}
33/044	. . . {built up with profiles of constant elongated shape, e.g. extruded, mechanically interconnected by coupling members, e.g. by clamping, riveting or bolting}	35/008	. . . {Side spoilers ( <a href="#">B62D 35/001 takes precedence</a> )}
33/046	. . . {built up with flat self-supporting panels; Fixed connections between panels ( <a href="#">B62D 29/045</a> , <a href="#">B62D 33/048 take precedence</a> )}	35/02	. . Streamlining the undersurfaces {( <a href="#">B62D 35/005</a> , <a href="#">B62D 35/007</a> , <a href="#">B62D 35/008 take precedence</a> )}
33/048	. . . {for refrigerated goods vehicles}	<b>37/00</b>	<b>Stabilising vehicle bodies without controlling suspension arrangements</b>
33/06	. . Drivers' cabs {( <a href="#">overhead guards, e.g. against loads falling down B60R 21/11</a> ; roll-over protection <a href="#">B60R 21/13</a> )}	37/02	. . by aerodynamic means
		37/04	. . by means of movable masses
		37/06	. . using gyroscopes
		<b>39/00</b>	<b>Vehicle bodies not otherwise provided for {, e.g. safety vehicles (safety equipment <a href="#">B60R 21/00</a>)}</b>
		<b>41/00</b>	<b>Fittings for identifying vehicles in case of collision; Fittings for marking or recording collision areas</b>
		<b>43/00</b>	<b>Spare wheel stowing, holding, or mounting arrangements</b>

43/002	. {Handling devices, mainly for heavy wheels ( <a href="#">via cables and chains B62D 43/045</a> )}
43/005	. {Protective coverings for spare wheels}
43/007	. {Anti-theft devices for spare wheels}
43/02	. external to the vehicle body
43/04	. . attached beneath the vehicle body
43/045	. . . {the wheel or its cradle being attached to one or more chains or cables for handling}
43/06	. within the vehicle body
43/08	. . and arranged substantially vertically
43/10	. . and arranged substantially horizontally

**Motor vehicles or trailers classified according to type; Parts or accessories thereof** (frames for vehicles of special type [B62D 21/18](#))

<b>47/00</b>	<b>Motor vehicles or trailers predominantly for carrying passengers (superstructures B62D 31/00)</b>
47/003	. {convertible in order to modify the number of seats (foldable compact cars <a href="#">B62D 31/006</a> ; convertible from one use to a different one <a href="#">B60P 3/42</a> )}
47/006	. {Vehicles which can be divided in sub-vehicles; nestable vehicles}
47/02	. for large numbers of passengers, e.g. omnibus
47/025	. . {articulated buses with interconnecting passageway, e.g. bellows (coupling aspects <a href="#">B60D 5/00</a> )}
<b>49/00</b>	<b>Tractors (of walk type <a href="#">B62D 51/04</a>; endless- track features <a href="#">B62D 55/00</a> ; transport specially adapted for underground galleries <a href="#">E21F 13/02</a>)</b>
49/002	. {characterised by being of the low ground pressure type}
49/005	. {Tractors for semi-trailers (combinations of tractor plus semi- trailer <a href="#">B62D 53/06</a> )}
49/007	. . {Tractors for handling trailers, e.g. roll-trailers in terminals}
49/02	. modified to take lifting devices
49/04	. modified to take pushing devices
49/06	. adapted for multi-purpose use
49/0607	. . {Straddle tractors, used for instance above vine stocks, rows of bushes, or the like}
49/0614	. . {equipped with visual aids for positioning implements or to control working condition (optical signalling for vehicles in general <a href="#">B60Q 1/26</a> )}
49/0621	. . {comprising traction increasing arrangements, e.g. all-wheel traction devices, multiple-axle traction arrangements, auxiliary traction increasing devices (anti-skid or anti-slip devices fitted onto the wheels <a href="#">B60B 15/02</a> , <a href="#">B60B 39/12</a> ; arrangements of transmission for driving both front and rear wheels or tandem wheels of vehicles <a href="#">B60K 17/34</a> , <a href="#">B60K 17/36</a> )}
49/0628	. . . {using detachable weights (counterweights against overturning <a href="#">B62D 49/085</a> ; movable stabilisation masses <a href="#">B62D 37/04</a> )}
49/0635	. . . {using additional ground engaging means, e.g. endless tracks (vehicles with endless tracks and either additional or alternative ground wheels <a href="#">B62D 55/02</a> , <a href="#">B62D 55/04</a> )}
49/0642	. . . {by coupling of tractors}
49/065	. . {Coupling of multi-purpose tractors with equipment (towing bars <a href="#">B60D</a> ; with load transfer <a href="#">B62D 53/08</a> ; power take-off <a href="#">B60K</a> ; with lifting devices <a href="#">B62D 49/02</a> ; pushing gear <a href="#">B62D 49/04</a> )}

49/0657	. . {Asymmetrical tractors}
49/0664	. . {Light, simple, and economical tractors ( <a href="#">B62D 49/002</a> takes precedence)}
49/0671	. . . {the driver riding on the tractor}
49/0678	. . {Tractors of variable track width or wheel base (for vehicles in general <a href="#">B60B 23/12</a> and <a href="#">B60B 35/10</a> )}
49/0685	. . {Reversible tractors adapted for shuttle work}
49/0692	. . {characterised by the particular arrangement of control devices, e.g. having more than one control stand, operable from vehicle extension (control devices or systems characterised by mechanical features only)}
49/08	. having means for preventing overturning or tipping (safety devices for propulsion-unit control, specially adapted for, or arranged in, vehicles <a href="#">B60K 28/00</a> )
49/085	. . {Counterweight}
<b>51/00</b>	<b>Motor vehicles characterised by the driver not being seated {(wheeled carriers for golf bags A63B 55/60)}</b>
51/001	. {characterised by the vehicle control device (mechanical features of control devices in general <a href="#">G05G</a> ; arrangements of vehicle control devices in general <a href="#">B60K 20/00</a> , <a href="#">B60K 23/00</a> , <a href="#">B60K 26/00</a> )}
51/002	. . {comprising safety arrangements (safety devices for vehicle propulsion unit control <a href="#">B60K 28/00</a> )}
51/004	. {characterised by the transmission (arrangements or mounting of transmissions in vehicles <a href="#">B60K 17/00</a> ; gearing in general <a href="#">F16H</a> )}
51/005	. {Vehicular characteristics of load handling vehicles, e.g. pedestrian trucks (fork-lift trucks <a href="#">B66F 9/06</a> )}
51/007	. {the vehicle being of the endless track type (endless track vehicles in general <a href="#">B62D 55/00</a> )}
51/008	. {characterised by the vehicle being formed by articulated or separable units (road trains <a href="#">B62D 53/00</a> )}
51/02	. the driver standing in the vehicle
51/04	. the driver walking
51/06	. . Uniaxle walk-type tractors
51/065	. . . {the vehicle having only one wheel}
<b>53/00</b>	<b>Tractor-trailer combinations; Road trains (traction couplings other than fifth wheel coupling <a href="#">B60D</a> {; tracked vehicles comprising at least two articulated parts <a href="#">B62D 55/0655</a>})</b>
53/005	. {Combinations with at least three axles and comprising two or more articulated parts (articulated buses <a href="#">B62D 47/025</a> )}
53/02	. comprising a uniaxle tractor unit and a uniaxle trailer unit { <a href="#">see B60B 11/00 - B60B 11/08</a> }
53/021	. . {comprising a universal coupling joint}
53/023	. . {with two or more coupling joints allowing staggering of the units from a central plane}
53/025	. . {Comprising a transmission shaft passing through the coupling joints ( <a href="#">B62D 53/021</a> takes precedence; trailers with powered axles <a href="#">B62D 59/00</a> )}
53/026	. . . {With all wheels powered}
53/028	. . . {Having only coupling joints other than directional (articulated frames <a href="#">B62D 21/186</a> and <a href="#">B62D 55/10</a> )}
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

53/045	. . . {with rigid linkage in the horizontal plane (luggage trailers <a href="#">B62D 63/064 - B62D 63/067</a> )}	55/00	<b>Endless track vehicles</b> ( <a href="#">steering aspects B62D 11/00</a> ; characterised by the driver not being seated <a href="#">B62D 51/007</a> )
53/06	. . . Semi-trailers	55/02	. with tracks and additional ground wheels {( <a href="#">for multi-purpose tractors B62D 49/0635</a> )}
53/061	. . . . {of flat bed or low loader type or fitted with swan necks (detachable swan necks <a href="#">B62D 53/065</a> ; swan neck-fifth wheel couplings <a href="#">B62D 53/08</a> )}	55/04	. with tracks and alternative ground wheels, e.g. changeable from endless track vehicle into wheeled vehicle and vice versa {( <a href="#">for multi-purpose tractors B62D 49/0635</a> )}
53/062	. . . . . {having inclinable, lowerable platforms; Lift bed trailers; Straddle trailers (lifting coupling saddles <a href="#">B62D 53/0821</a> ; crane vehicles <a href="#">B60P 3/28</a> )}	55/06	. with tracks without ground wheels
53/064	. . . . . {inclining platforms by detachable bogies}	55/062	. . . {Tracked vehicles of great dimensions adapted for moving bulky loads or gear}
53/065	. . . . . {inclining platforms by detachable or folding swan necks}	55/065	. . . Multi-track vehicles, i.e. more than two tracks {( <a href="#">soil-shifting machines E02F</a> ; <a href="#">mining machines E21C</a> )}
53/067	. . . . {Multi-purpose, convertible or extendable load surface semi-trailers (for container transport <a href="#">B60P 1/6418</a> ; convertible road transport vehicles in general <a href="#">B60P 3/42</a> )}	55/0655	. . . . {Articulated endless track vehicles (steering specially adapted for trailers <a href="#">B62D 13/00</a> ; articulated buses <a href="#">B62D 47/025</a> ; tractor-trailer combinations or road trains comprising a uni-axle unit and a uni-axle trailer <a href="#">B62D 53/02</a> )}
53/068	. . . . {having devices to equalise or modify the load between the fifth wheel and the rear wheels (adjustable coupling saddles <a href="#">per se</a> <a href="#">B62D 53/0807</a> ; load transfer devices to permit coupling or uncoupling <a href="#">B62D 53/0857</a> ; anti-jack-knifing devices <a href="#">B62D 53/0871</a> )}	55/07	. . . Mono-track vehicles
53/08	. . . Fifth wheel traction couplings {( <a href="#">tractors for handling trailers in terminals B62D 49/007</a> )}	55/075	. . . Tracked vehicles for ascending or descending stairs, {steep slopes or vertical surfaces} (magnetic or pneumatic ground-engaging parts <a href="#">B62D 55/265</a> ; chairs or multi-track cycles specially adapted for invalids <a href="#">A61G 5/00</a> )
53/0807	. . . . {adjustable coupling saddles mounted on sub-frames; Mounting plates therefor}	55/08	. . . Endless track units; Parts thereof
53/0814	. . . . . {with adjustment of the clearance between the tractor or the trailer (devices modifying the load in tractor-trailer combinations <a href="#">B62D 53/068</a> )}	55/084	. . . . Endless-track units or carriages mounted separably, adjustably or extensibly on vehicles, e.g. portable track units ( <a href="#">B62D 55/07</a> takes precedence)
53/0821	. . . . . {Lifting saddles, i.e. to lift the trailer front (tilting body constructions <a href="#">B60P</a> )}	55/0842	. . . . {Tracked vehicle with track carriages suspended on three points, e.g. by an equaliser bar}
53/0828	. . . . . {Removable or fold-away traction couplings for non-specialised tractor vehicles}	55/0845	. . . . {Protection devices}
53/0835	. . . . . {Coupling saddles able to rock in all directions, e.g. for use in rough terrain}	55/0847	. . . . {Track blocking devices mounted on the frame; Track guides}
53/0842	. . . . {King pins}	55/088	. . . with means to exclude or remove foreign matter, e.g. sealing means, self-cleaning track links or sprockets, deflector plates or scrapers
53/085	. . . . . {fitted with anti-coupling devices, pivotal or retractable king pins, e.g. to prevent theft (vehicle fittings for preventing theft in general <a href="#">B60R 25/00</a> )}	55/0882	. . . . {Track or sprocket cleaning devices mounted on the frame (wheel cleaning devices in general <a href="#">B60S</a> )}
53/0857	. . . . . {Auxiliary semi-trailer handling or loading equipment, e.g. ramps, rigs, coupling supports}	55/0885	. . . . {Self-cleaning sprockets}
53/0864	. . . . . {Dollies for fifth wheel coupling}	55/0887	. . . . {Track-articulation sealings against dust, water, mud or the like (sealing of bearings in general <a href="#">F16C 33/72</a> ; chain bushings in general <a href="#">F16G 15/00</a> )}
53/0871	. . . . . {with stabilising means, e.g. to prevent jack-knifing, pitching, rolling, buck jumping (stabilising in general <a href="#">B62D 37/00</a> ; tractors <a href="#">B62D 49/08</a> )}	55/092	. . . with lubrication means (lubricating in general <a href="#">F16N</a> )
53/0878	. . . . . {the fifth wheel coupling incorporating braking or restraining means}	55/096	. . . with noise reducing means
53/0885	. . . . . {Comprising devices to limit or to compensate for wear or excessive play; Lubricating, shock absorbing, bearing devices, or the like}	55/0963	. . . . {Anti-noise driving sprockets}
53/0892	. . . . . {comprising power transmission shafts (trailers with driven ground wheels <a href="#">B62D 59/00</a> )}	55/0966	. . . . {Low noise rollers, e.g. with antivibration means (elastic wheel rims in general <a href="#">B60B 9/00</a> )}
53/10	. . . with means for preventing accidental uncoupling	55/10	. . . Bogies; Frames (track-tensioning means <a href="#">B62D 55/30</a> )
53/12	. . . . engaging automatically	55/104	. . . Suspension devices for wheels, rollers, bogies or frames (vehicle suspension in general <a href="#">B60G</a> )
53/125	. . . . . {with simultaneous coupling of the service lines}	55/108	. . . . with mechanical springs, e.g. torsion bars
		55/1083	. . . . . {Torsion-bar springs}
		55/1086	. . . . . {Rubber springs}
		55/112	. . . . with fluid springs, e.g. hydraulic pneumatic

55/1125	. . . . . {Hydro-pneumatic or pneumatic, e.g. air-cushioned}	57/02	. . with ground-engaging propulsion means, e.g. walking members
55/116	. . . Attitude or position control of chassis by action on suspension, e.g. to compensate for a slope	57/021	. . . {the ground engaging means being sequentially inflatable bags for peristaltic movement ( <a href="#">B62D 57/024 takes precedence</a> )}
55/12	. . Arrangement, location, or adaptation of driving sprockets	57/022	. . . {consisting of members having both rotational and walking movements}
55/125	. . . Final drives	57/024	. . specially adapted for moving on inclined or vertical surfaces ( <a href="#">endless-track vehicles for ascending or descending stairs B62D 55/075; hand-carts with provision for travelling up or down stairs B62B 5/02</a> )
55/13	. . . . readily interchangeable modular type	57/028	. . . having wheels and mechanical legs ( <a href="#">B62D 57/024 takes precedence; ground-engaging vehicle fittings for supporting, lifting or manoeuvring the vehicle, wholly or in part B60S 9/00</a> )
55/135	. . . with dismountable driving crown	57/032	. . with alternately or sequentially lifted supporting base and legs; with alternately or sequentially lifted feet or skid ( <a href="#">B62D 57/024 takes precedence</a> )
55/14	. . Arrangement, location, or adaptation of rollers	57/036	. . screw type, e.g. Archimedian screw {( <a href="#">amphibious vehicles comprising screw-type ground-engaging means B60F 3/0023</a> )}
55/145	. . . {Rollers with replaceable wear rings or rims (driving sprockets with replaceable rims <a href="#">B62D 55/12</a> )}	57/04	. . having other than ground-engaging propulsion means, e.g. having propellers ( <a href="#">arrangement of jet-propulsion units B60K</a> )
55/15	. . . Mounting devices, e.g. bushings, axles, bearings, sealings {( <a href="#">with lubrication means B62D 55/092</a> )}	<b>59/00</b>	<b>Trailers with driven ground wheels or the like</b>
55/18	. . . Tracks ( <a href="#">self-cleaning track links B62D 55/088</a> )	59/02	. . driven from external propulsion unit
55/20	. . . of articulated type, e.g. chains {( <a href="#">with lubrication means B62D 55/092</a> )}	59/04	. . driven from propulsion unit on trailer
55/202	. . . . . {Wheel engaging parts; Wheel guides on links}	<b>61/00</b>	<b>Motor vehicles or trailers, characterised by the arrangement or number of wheels, not otherwise provided for, e.g. four wheels in diamond pattern</b>
55/205	. . . . . Connections between track links	61/02	. . with two road wheels in tandem on the longitudinal centre line of the vehicle
55/21	. . . . . Links connected by transverse pivot pins	61/04	. . . with two other wheels which are coaxial
55/211	. . . . . . {Bitubular chain links assembled by pins and double connectors}	61/06	. . . with only three wheels
55/213	. . . . . . {Master track links}	61/065	. . . . {with single rear wheel}
55/215	. . . . . Resilient connections between links	61/08	. . . . with single front wheel
55/22	. . . . . Arrangements for preventing or modifying back-flexing	61/10	. . . . with more than four wheels {( <a href="#">tractors of the low ground pressure type B62D 49/002</a> )}
55/24	. . . . . of continuously flexible type, e.g. rubber belts	61/12	. . . . with variable number of ground engaging wheels, e.g. with some wheels arranged higher than others, or with retractable wheels ( <a href="#">for manoeuvring purposes only B60S</a> )
55/242	. . . . . {The flexible band being semi-rigid for resisting back-flexing and contributing to spring the vehicle}	61/125	. . . . . {the retractable wheel being a part of a set of tandem wheels ( <a href="#">resilient suspension for a single set of tandem wheels B60G 5/00</a> )}
55/244	. . . . . {Moulded in one piece, with either smooth surfaces or surfaces having projections, e.g. incorporating reinforcing elements}	<b>63/00</b>	<b>Motor vehicles or trailers not otherwise provided for</b>
55/247	. . . . . Gas filled or inflatable flexible tracks ( <a href="#">connection of valves to inflatable elastic bodies B60C 29/00</a> )	63/02	. . Motor vehicles
55/253	. . . . . having elements interconnected by one or more cables or like elements	63/025	. . . {Modular vehicles ( <a href="#">superstructures for busses having modular sections B62D 31/025</a> )}
55/26	. . . Ground engaging parts or elements {( <a href="#">tracks specially adapted for amphibious vehicles B60F 3/0015</a> )}	63/04	. . Component parts or accessories
55/265	. . . . . having magnetic or pneumatic adhesion	63/06	. . Trailers ( <a href="#">vehicles comprising living accommodation for people, e.g. caravans, camping or like vehicles B60P 3/32</a> )
55/27	. . . . . having different types of crampons for progression over varying ground	63/061	. . . {Foldable, extensible or yielding trailers ( <a href="#">foldable caravans B60P 3/34; adjustable chassis frames B62D 21/14</a> )}
55/275	. . . . . with street plate, i.e. means to prevent tread from cutting into road surface	63/062	. . . {Trailers with one axle or two wheels ( <a href="#">semi-trailers B62D 53/06</a> )}
55/28	. . . . . detachable		
55/283	. . . . . . {and movable, e.g. around an axis or perpendicularly to the track}		
55/286	. . . . . {For soft grounds, e.g. consisting of snow or swamp}		
55/30	. . Track-tensioning means		
55/305	. . . . . {acting on pivotably mounted idlers}		
55/32	. . Assembly, disassembly, repair or servicing of endless-track systems		
<b>57/00</b>	<b>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 (<a href="#">sledges B62B; motor sledges B62M</a>)</b>		

- 63/064 . . . {light luggage or equipment trailers, e.g. for batteries, gas generators, gas bottles, stretchers (*luggage carriers per se B60R*)}
- 63/065 . . . {forming an extension of the towing vehicle, i.e. with two point fixation}
- 63/067 . . . . {single wheeled (rigid or semi-rigid coupling)}
- 63/068 . . {with more than two axles or more than four wheels (*vehicles with more than four wheels in general B62D 61/10*)}
- 63/08 . . Component parts or accessories
- 65/00 Designing, manufacturing, e.g. assembling, facilitating disassembly, or structurally modifying motor vehicles or trailers, not otherwise provided for**
  - 65/005 . {Inspection and final control devices}
  - 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
  - 65/022 . . {Transferring or handling sub-units or components, e.g. in work stations or between workstations and transportation systems}
  - 65/024 . . {Positioning of sub-units or components with respect to body shell or other sub-units or components}
  - 65/026 . . . {by using a jig or the like; Positioning of the jig}
  - 65/028 . . . {by determining relative positions by measurement}
  - 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*)
  - 65/06 . . the sub-units or components being doors, windows, openable roofs, lids, bonnets, or weather strips or seals therefor {*(assembling sealing arrangements with vehicle parts, e.g. doors, windows B60J 10/45)*}
  - 65/10 . . the sub-units or components being engines, clutches or transmissions
  - 65/12 . . the sub-units or components being suspensions, brakes or wheel units
  - 65/14 . . the sub-units or components being passenger compartment fittings, e.g. seats, linings, trim, instrument panels
  - 65/16 . . the sub-units or components being exterior fittings, e.g. bumpers, lights, wipers {, exhausts}
  - 65/18 . . Transportation, conveyor or haulage systems specially adapted for motor vehicle or trailer assembly lines {*(conveyors and haulage in general B65G)*}
- 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 {; general arrangement of separating plants B03B 9/00; recovery of plastics B29B 17/00})**