**SECTION B — PERFORMING OPERATIONS; TRANSPORTING** 

В

Sektion

| B62        | Klasse              | LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILS  |
|------------|---------------------|---|
| B62D       | Unterklasse         | 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) Steering of motor vehicles or trailers (steering devices applicable only to steerable |
|            |                     | undercarriages for aircraft B64C 25/50) [3]   |
| B62D 1/00  | Hauptgruppe         | Steering controls, i.e. means for initiating a change of direction of the vehicle [4, 5]  |
| B62D 1/02  | 1-Punkt Untergruppe | . vehicle-mounted   |
| B62D 1/04  | 2-Punkt Untergruppe | Hand wheels   |
| B62D 1/06  | 3-Punkt Untergruppe | Rims, e.g. with heating means; Rim covers (B62D 1/11 takes precedence) [5]  |
| B62D 1/08  | 3-Punkt Untergruppe | Spokes, e.g. resilient (B62D 1/11 takes precedence) [5]   |
| B62D 1/10  | 3-Punkt Untergruppe | Hubs; Connecting hubs to steering columns, e.g. adjustable (B62D 1/11 takes precedence) [5]   |
| B62D 1/11  | 3-Punkt Untergruppe | 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]   |
| B62D 1/12  | 2-Punkt Untergruppe | Hand levers   |
| B62D 1/14  | 3-Punkt Untergruppe | Tillers, i.e. hand levers operating on steering columns   |
| B62D 1/16  | 2-Punkt Untergruppe | Steering columns  |
| B62D 1/18  | 3-Punkt Untergruppe | yieldable or adjustable, e.g. tiltable (padded linings associated with the steering column B60R 21/05)  |
| B62D 1/181 | 4-Punkt Untergruppe | with power actuated adjustment, e.g. with position memory [7]   |
| B62D 1/183 | 4-Punkt Untergruppe | adjustable between in-use and out-of-use positions, e.g. to improve access [7]  |
| B62D 1/184 | 4-Punkt Untergruppe | Mechanisms for locking columns at selected positions [7]  |
| B62D 1/185 | 4-Punkt Untergruppe | adjustable by axial displacement, e.g. telescopically (B62D 1/183, B62D 1/187, B62D 1/19 take precedence) [7]   |
| B62D 1/187 | 4-Punkt Untergruppe | with tilt adjustment; with tilt and axial adjustment (B62D 1/183, B62D 1/19 take precedence) [7]  |
| B62D 1/189 | 5-Punkt Untergruppe | the entire steering column being tiltable as a unit [7]   |

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| Symbol     | Тур                 | Titel   |
| B62D 1/19  | 4-Punkt Untergruppe | incorporating energy-absorbing arrangements, e.g. by being yieldable or collapsible (shock-absorbers using plastic deformation of members in general F16F 7/12) [5] |
| B62D 1/20  | 3-Punkt Untergruppe | Connecting steering column to steering gear   |
| B62D 1/22  | 2-Punkt Untergruppe | Alternative steering-control elements, e.g. for teaching purposes   |
| B62D 1/24  | 1-Punkt Untergruppe | . not vehicle-mounted   |
| B62D 1/26  | 2-Punkt Untergruppe | mechanical, e.g. by a non-load-bearing guide (railways B61)   |
| B62D 1/28  | 2-Punkt Untergruppe | non-mechanical  |
| B62D 3/00  | Hauptgruppe         | 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)              |
| B62D 3/02  | 1-Punkt Untergruppe | . mechanical  |
| B62D 3/04  | 2-Punkt Untergruppe | of worm type  |
| B62D 3/06  | 3-Punkt Untergruppe | with screw and nut  |
| B62D 3/08  | 4-Punkt Untergruppe | using intermediate balls or the like  |
| B62D 3/10  | 3-Punkt Untergruppe | with worm engaging in sector or roller gear   |
| B62D 3/12  | 2-Punkt Untergruppe | of rack-and-pinion type   |
| B62D 3/14  | 1-Punkt Untergruppe | . hydraulic   |
| B62D 5/00  | Hauptgruppe         | Power-assisted or power-driven steering (for non-deflectable wheels B62D 11/00; fluid-pressure servomotors in general F15B)   |
| B62D 5/02  | 1-Punkt Untergruppe | . 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                      |
| B62D 5/04  | 1-Punkt Untergruppe | . electrical, e.g. using an electric servo-motor connected to, or forming part of, the steering gear  |
| B62D 5/06  | 1-Punkt Untergruppe | . fluid, i.e. using a pressurised fluid for most or all the force required for steering a vehicle [4]   |
| B62D 5/065 | 2-Punkt Untergruppe | characterised by specially adapted means for varying pressurised fluid supply based on need, e.g. on-demand, variable assist [7]                                    |
| B62D 5/07  | 2-Punkt Untergruppe | Supply of pressurised fluid for steering also supplying other consumers [4]   |
| B62D 5/08  | 2-Punkt Untergruppe | characterised by type of valve used (valves in general F16K) [4]  |
| B62D 5/083 | 3-Punkt Untergruppe | Rotary valves [4]   |
| B62D 5/087 | 3-Punkt Untergruppe | Sliding spool valves [4]  |
| B62D 5/09  | 2-Punkt Untergruppe | characterised by means for actuating valves [4]   |
| B62D 5/093 | 3-Punkt Untergruppe | Telemotor driven by steering wheel movement (hydraulic steering gear B62D 3/14) [4]   |
| B62D 5/097 | 4-Punkt Untergruppe | gerotor type [4]  |
| B62D 5/10  | 2-Punkt Untergruppe | characterised by type of power unit [4]   |
| B62D 5/12  | 3-Punkt Untergruppe | Piston and cylinder [4]   |
| B62D 5/14  | 3-Punkt Untergruppe | Rotary motor [4]  |
| B62D 5/16  | 3-Punkt Untergruppe | Expansible chamber with flexible wall [4]   |
|            |                     |   |

| Symbol    | Тур                 | Titel  |
|-----------|---------------------|--|
| B62D 5/18 | 2-Punkt Untergruppe | characterised by power transmitting means [4]  |
| B62D 5/20 | 2-Punkt Untergruppe | specially adapted for particular type of steering gear or particular application (steering gears <u>per se</u> B62D  |
|           |                     | 3/00; steering linkages not characterised by being power-assisted or power-driven B62D 7/00) [4]   |
| B62D 5/22 | 3-Punkt Untergruppe | for rack-and-pinion type [4]   |
| B62D 5/24 | 3-Punkt Untergruppe | for worm type [4]  |
| B62D 5/26 | 3-Punkt Untergruppe | for pivoted axles [4]  |
| B62D 5/28 | 3-Punkt Untergruppe | for pivoted bogies [4]   |
| B62D 5/30 | 2-Punkt Untergruppe | Safety devices, e.g. alternate emergency power supply or transmission means to ensure steering upon failure of the primary steering means [4]  |
| B62D 5/32 | 3-Punkt Untergruppe | for telemotor systems [4]  |
| B62D 6/00 | Hauptgruppe         | 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] |
| B62D 6/02 | 1-Punkt Untergruppe | . responsive only to vehicle speed [4]   |
| B62D 6/04 | 1-Punkt Untergruppe | . responsive only to forces disturbing the intended course of the vehicle, e.g. forces acting transversely to the direction of vehicle travel [4]  |
| B62D 6/06 | 1-Punkt Untergruppe | . responsive only to vehicle vibration dampening arrangements (steering dampers for cycles B62K 21/08) [4]   |
| B62D 6/08 | 1-Punkt Untergruppe | . responsive only to input torque [6]  |
| B62D 6/10 | 2-Punkt Untergruppe | characterised by the means for sensing torque [6]  |
| B62D 7/00 | Hauptgruppe         | Steering linkage; Stub axles or their mountings (B62D 13/00 takes precedence; power-assisted or power-driven steering B62D 5/00) [5]   |
| B62D 7/02 | 1-Punkt Untergruppe | . for pivoted bogies   |
| B62D 7/04 | 2-Punkt Untergruppe | with more than one wheel   |
| B62D 7/06 | 1-Punkt Untergruppe | . for individually-pivoted wheels, e.g. on king-pins   |
| B62D 7/08 | 2-Punkt Untergruppe | the pivotal axes being situated in a single plane transverse to the longitudinal centre line of the vehicle  |
| B62D 7/09 | 3-Punkt Untergruppe | 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]   |
| B62D 7/10 | 3-Punkt Untergruppe | with single-output steering gear   |
| B62D 7/12 | 3-Punkt Untergruppe | with twin-output steering gear   |
| B62D 7/14 | 2-Punkt Untergruppe | the pivotal axes being situated in more than one plane transverse to the longitudinal centre line of the vehicle, e.g. all-wheel steering  |
| B62D 7/15 | 3-Punkt Untergruppe | 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]   |
| B62D 7/16 | 1-Punkt Untergruppe | . Arrangement of linkage connections (pivots <u>per se</u> F16C)   |
| B62D 7/18 | 1-Punkt Untergruppe | . Steering knuckles; King-pins   |
| B62D 7/20 | 1-Punkt Untergruppe | . Links, e.g. track rods (means for adjusting camber, castor, or toe-in B62D 17/00)  |

| Symbol     | Тур                 | Titel  |
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| B62D 7/22  | 1-Punkt Untergruppe | . Arrangements for reducing or eliminating reaction, e.g. vibration, from parts, e.g. wheels, of the steering system [5]   |
| B62D 9/00  | Hauptgruppe         | Steering deflectable wheels not otherwise provided for (steering-position indicators B62D 15/02)   |
| B62D 9/02  | 1-Punkt Untergruppe | . combined with means for inwardly-inclining vehicle body on bends   |
| B62D 9/04  | 1-Punkt Untergruppe | . combined with means for inclining vehicle wheels on bends (B62D 9/02 takes precedence) [5]   |
| B62D 11/00 | Hauptgruppe         | Steering non-deflectable wheels; Steering endless tracks or the like   |
| B62D 11/02 | 1-Punkt Untergruppe | . by differentially driving ground-engaging elements on opposite vehicle sides   |
| B62D 11/04 | 2-Punkt Untergruppe | by means of separate power sources   |
| B62D 11/06 | 2-Punkt Untergruppe | by means of a single main power source   |
| B62D 11/08 | 3-Punkt Untergruppe | using brakes or clutches as main steering-effecting means  |
| B62D 11/10 | 3-Punkt Untergruppe | using gearings with differential power outputs on opposite sides, e.g. twin- differential or epicyclic gears   |
| B62D 11/12 | 4-Punkt Untergruppe | using separate change-speed gearings   |
| B62D 11/14 | 4-Punkt Untergruppe | differential power outputs being effected by additional power supply to one side, e.g. power originating from secondary power source   |
| B62D 11/16 | 5-Punkt Untergruppe | the additional power supply being supplied mechanically  |
| B62D 11/18 | 5-Punkt Untergruppe | the additional power supply being supplied hydraulically   |
| B62D 11/20 | 1-Punkt Untergruppe | . Endless-track steering having pivoted bogie carrying track (B62D 11/02 takes precedence)   |
| B62D 11/22 | 1-Punkt Untergruppe | . Endless-track steering being effected by deflecting endless-track rollers or the like  |
| B62D 11/24 | 1-Punkt Untergruppe | . Endless-track steering specially adapted for vehicles having both steerable wheels and endless track   |
| B62D 12/00 | Hauptgruppe         | 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 ) $[4]$ |
| B62D 12/02 | 1-Punkt Untergruppe | . for vehicles operating in tandem [4]   |
| B62D 13/00 | Hauptgruppe         | Steering specially adapted for trailers (combined traction and steering hitches B60D)  |
| B62D 13/02 | 1-Punkt Untergruppe | . for centrally-pivoted axles  |
| B62D 13/04 | 1-Punkt Untergruppe | . for individually-pivoted wheels  |
| B62D 13/06 | 1-Punkt Untergruppe | . for backing a normally-drawn trailer   |
| B62D 15/00 | Hauptgruppe         | Steering not otherwise provided for  |
| B62D 15/02 | 1-Punkt Untergruppe | . Steering position indicators [4]   |
| B62D 17/00 | Hauptgruppe         | Means on vehicle for adjusting camber, castor, or toe-in   |
| B62D 19/00 | Hauptgruppe         | Radius rods, i.e. distance members   |
|            |                     | Understructures; Superstructures; Vehicle bodies   |
| B62D 21/00 | Hauptgruppe         | Understructures, i.e. chassis frame on which a vehicle body may be mounted (combined frame and vehicle body B62D 23/00)  |
| B62D 21/02 | 1-Punkt Untergruppe | . comprising longitudinally or transversely arranged frame members [4]   |
| B62D 21/03 | 2-Punkt Untergruppe | transverse members providing body support [4]  |
| B62D 21/04 | 2-Punkt Untergruppe | single longitudinal type   |

| Symbol     | Тур                 | Titel  |
|------------|---------------------|--|
| B62D 21/05 | 2-Punkt Untergruppe | pinched frame type, i.e. formed of at least two longitudinal frame sections connected by other longitudinal frame sections of lesser transverse dimension [4]  |
| B62D 21/06 | 1-Punkt Untergruppe | . 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   |
| B62D 21/07 | 1-Punkt Untergruppe | . 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]  |
| B62D 21/08 | 1-Punkt Untergruppe | . built-up with interlaced cross members ("Fachwerkrahmen")  |
| B62D 21/09 | 1-Punkt Untergruppe | . Means for mounting load bearing surfaces [4]   |
| B62D 21/10 | 1-Punkt Untergruppe | . in which the main member is plate-like   |
| B62D 21/11 | 1-Punkt Untergruppe | . with resilient means for suspension [4]  |
| B62D 21/12 | 1-Punkt Untergruppe | . assembled from readily-detachable parts  |
| B62D 21/14 | 1-Punkt Untergruppe | . of adjustable length or width  |
| B62D 21/15 | 1-Punkt Untergruppe | . 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] |
| B62D 21/16 | 1-Punkt Untergruppe | . having fluid storage compartment [4]   |
| B62D 21/17 | 1-Punkt Untergruppe | . forming fluid or electrical conduit means or having other means to accommodate the transmission of a force or signal [4]   |
| B62D 21/18 | 1-Punkt Untergruppe | . characterised by the vehicle type and not provided for in groups B62D 21/02-B62D 21/17 [4]   |
| B62D 21/20 | 2-Punkt Untergruppe | trailer type, i.e. a frame specifically constructed for use in a non-powered vehicle [4]   |
| B62D 23/00 | Hauptgruppe         | Combined superstructure and frame, i.e. monocoque constructions (superstructure sub-units B62D 25/00)  |
| B62D 24/00 | Hauptgruppe         | Connections between vehicle body and vehicle frame (B62D 23/00, B62D 33/077 take precedence) [5]   |
| B62D 24/02 | 1-Punkt Untergruppe | . Vehicle body, not intended to move relatively to the vehicle frame, and mounted on vibration absorbing mountings, e.g. rubber pads [5]   |
| B62D 24/04 | 1-Punkt Untergruppe | . Vehicle body mounted on resilient suspension for movement relative to the vehicle frame [5]  |
| B62D 25/00 | Hauptgruppe         | Superstructure sub-units; Parts or details thereof not otherwise provided for  |
| B62D 25/02 | 1-Punkt Untergruppe | . Side panels  |
| B62D 25/04 | 1-Punkt Untergruppe | . Door pillars   |
| B62D 25/06 | 1-Punkt Untergruppe | . Fixed roofs (non-fixed roofs or roofs with movable panels B60J $7/00$ ; roof liners B60R $13/02$ ; insulating elements B60R $13/08$ )  |
| B62D 25/07 | 2-Punkt Untergruppe | having water drainage or guide means integral with roof structure [4]  |
| B62D 25/08 | 1-Punkt Untergruppe | . Front or rear portions   |
| B62D 25/10 | 2-Punkt Untergruppe | Bonnets or lids  |
| B62D 25/12 | 3-Punkt Untergruppe | Parts or details thereof (locks E05B; hinges E05D; counterbalancing means E05F; springs F16F)  |
| B62D 25/13 | 4-Punkt Untergruppe | Water deflectors [5]   |
| B62D 25/14 | 2-Punkt Untergruppe | Dashboards as superstructure sub-unit (other dashboard aspects B60K)   |

| Symbol      | Тур                 | Titel  |
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| B62D 25/16  | 2-Punkt Untergruppe | Mud-guards or wings; Wheel cover panels (equipped with means for freeing wheels or tyres from foreign matter B60S)   |
| B62D 25/18  | 3-Punkt Untergruppe | Parts or details thereof, e.g. mud-guard flaps   |
| B62D 25/20  | 1-Punkt Untergruppe | . Floors or bottom sub-units   |
| B62D 25/22  | 1-Punkt Untergruppe | . Running-boards, steps, or the like, as superstructure sub-unit (other arrangements of steps, ladders, or running-boards in vehicles B60R)                            |
| B62D 25/24  | 1-Punkt Untergruppe | . Superstructure sub-units with access openings having movable or removable closures (inlet covers for vehicle fuel tanks B60K 15/05) [5]                              |
| B62D 27/00  | Hauptgruppe         | Connections between superstructure sub-units   |
| B62D 27/02  | 1-Punkt Untergruppe | . rigid  |
| B62D 27/04  | 1-Punkt Untergruppe | . resilient  |
| B62D 27/06  | 1-Punkt Untergruppe | . readily releasable   |
| B62D 29/00  | Hauptgruppe         | Superstructures characterised by material thereof  |
| B62D 29/02  | 1-Punkt Untergruppe | . predominantly of wood  |
| B62D 29/04  | 1-Punkt Untergruppe | . predominantly of synthetic material (working of plastics or substances in a plastic state B29)   |
| B62D 31/00  | Hauptgruppe         | Superstructures for passenger vehicles (passenger vehicles specially adapted to co-operate with aircraft or terminal buildings B64F $1/31$ )                           |
| B62D 31/02  | 1-Punkt Untergruppe | . for carrying large numbers of passengers, e.g. omnibus   |
| B62D 31/04  | 1-Punkt Untergruppe | . with more than one deck  |
| B62D 33/00  | Hauptgruppe         | Superstructures for load-carrying vehicles (in which a load-carrying element is movable B60P; liners B60R 13/00)   |
| B62D 33/02  | 1-Punkt Untergruppe | . Platforms; Open load compartments  |
| B62D 33/023 | 2-Punkt Untergruppe | Sideboard or tailgate structures [5]   |
| B62D 33/027 | 3-Punkt Untergruppe | movable [5]  |
| B62D 33/03  | 4-Punkt Untergruppe | by swinging down [5]   |
| B62D 33/033 | 4-Punkt Untergruppe | removable [5]  |
| B62D 33/037 | 4-Punkt Untergruppe | Latching means therefor [5]  |
| B62D 33/04  | 1-Punkt Untergruppe | . Enclosed load compartments   |
| B62D 33/06  | 1-Punkt Untergruppe | . Drivers' cabs  |
| B62D 33/063 | 2-Punkt Untergruppe | 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] |
| B62D 33/067 | 3-Punkt Untergruppe | tiltable [5]   |
| B62D 33/07  | 4-Punkt Untergruppe | characterised by the device for locking the cab in the tilted or in the driving position [5]   |
| B62D 33/073 | 3-Punkt Untergruppe | characterised by special adaptations of vehicle control devices [5]  |
| B62D 33/077 | 1-Punkt Untergruppe | . characterised by the connection of the superstructure to the vehicle frame [5]   |
| B62D 33/08  | 2-Punkt Untergruppe | comprising adjustable means (B62D 33/10 takes precedence) [5]  |

| Symbol     | Тур                 | Titel  |
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| B62D 33/10 | 2-Punkt Untergruppe | comprising means for the suspension of the superstructure on the frame [5]   |
| B62D 35/00 | Hauptgruppe         | Vehicle bodies characterised by streamlining   |
| B62D 35/02 | 1-Punkt Untergruppe | . Streamlining the undersurfaces   |
| B62D 37/00 | Hauptgruppe         | Stabilising vehicle bodies without controlling suspension arrangements   |
| B62D 37/02 | 1-Punkt Untergruppe | . by aerodynamic means   |
| B62D 37/04 | 1-Punkt Untergruppe | . by means of movable masses   |
| B62D 37/06 | 2-Punkt Untergruppe | using gyroscopes   |
| B62D 39/00 | Hauptgruppe         | Vehicle bodies not otherwise provided for  |
| B62D 41/00 | Hauptgruppe         | Fittings for identifying vehicles in case of collision; Fittings for marking or recording collision areas  |
| B62D 43/00 | Hauptgruppe         | Spare wheel stowing, holding, or mounting arrangements   |
| B62D 43/02 | 1-Punkt Untergruppe | . external to the vehicle body   |
| B62D 43/04 | 2-Punkt Untergruppe | attached beneath the vehicle body  |
| B62D 43/06 | 1-Punkt Untergruppe | . within the vehicle body  |
| B62D 43/08 | 2-Punkt Untergruppe | and arranged substantially vertical  |
| B62D 43/10 | 2-Punkt Untergruppe | and arranged substantially horizontal  |
|            |                     | Motor vehicles or trailers classified according to type; Parts or accessories thereof not otherwise  |
| B62D 47/00 | Hauptgruppe         | provided for (understructures, i.e. chassis frames, characterised by the vehicle type B62D 21/18)  Motor vehicles or trailers predominantly for carrying passengers (superstructures B62D 31/00) [3] |
| B62D 47/02 | 1-Punkt Untergruppe | . for large numbers of passengers, e.g. omnibus  |
| B62D 49/00 | Hauptgruppe         | Tractors (of walk type B62D 51/04; endless-track features B62D 55/00)  |
| B62D 49/02 | 1-Punkt Untergruppe | . modified to take lifting devices   |
| B62D 49/04 | 1-Punkt Untergruppe | . modified to take pushing devices   |
| B62D 49/06 | 1-Punkt Untergruppe | . adapted for multi-purpose use  |
| B62D 49/08 | 1-Punkt Untergruppe | . having means for preventing overturning or tipping (safety devices for propulsion-unit control, specially adapted for, or arranged in, vehicles B60K 28/00) [4]                                    |
| B62D 51/00 | Hauptgruppe         | Motor vehicles characterised by the driver not being seated  |
| B62D 51/02 | 1-Punkt Untergruppe | . the driver standing in the vehicle   |
| B62D 51/04 | 1-Punkt Untergruppe | . the driver walking   |
| B62D 51/06 | 2-Punkt Untergruppe | Uniaxle walk-type tractors   |
| B62D 53/00 | Hauptgruppe         | Tractor-trailer combinations; Road trains (traction couplings other than fifth-wheel couplings   |
| B62D 53/02 | 1-Punkt Untergruppe | comprising a uniaxle tractor unit and a uniaxle trailer unit   |
|            | 5                   |  |
| B62D 53/04 | 1-Punkt Untergruppe | . 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   |
| B62D 53/06 | 2-Punkt Untergruppe | Semi-trailers  |
| B62D 53/08 | 2-Punkt Untergruppe | Fifth-wheel traction couplings   |
| B62D 53/10 | 3-Punkt Untergruppe | with means for preventing accidental uncoupling  |

| Symbol      | Тур                 | Titel  |
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| B62D 53/12  | 3-Punkt Untergruppe | engaging automatically   |
| B62D 55/00  | Hauptgruppe         | Endless-track vehicles (steering aspects B62D 11/00)   |
| B62D 55/02  | 1-Punkt Untergruppe | . with tracks and additional ground wheels   |
| B62D 55/04  | 1-Punkt Untergruppe | . with tracks and alternative ground wheels, e.g. changeable from endless-track vehicle into wheeled vehicle and $\underline{\text{vice versa}}$   |
| B62D 55/06  | 1-Punkt Untergruppe | . with tracks and without ground wheels  |
| B62D 55/065 | 2-Punkt Untergruppe | Multi-track vehicles, i.e. more than two tracks [4]  |
| B62D 55/07  | 2-Punkt Untergruppe | Mono-track vehicles [4]  |
| B62D 55/075 | 2-Punkt Untergruppe | 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] |
| B62D 55/08  | 1-Punkt Untergruppe | . Endless-track units; Parts thereof   |
| B62D 55/084 | 2-Punkt Untergruppe | Endless-track units or carriages mounted separably, adjustably or extensibly on vehicles, e.g. portable track units (B62D 55/07 takes precedence) [4]  |
| B62D 55/088 | 2-Punkt Untergruppe | with means to exclude or remove foreign matter e.g. sealing means, self-cleaning track links or sprockets, deflector plates or scrapers [4]  |
| B62D 55/092 | 2-Punkt Untergruppe | with lubrication means (lubricating in general F16N) [4]   |
| B62D 55/096 | 2-Punkt Untergruppe | with noise reducing means [4]  |
| B62D 55/10  | 2-Punkt Untergruppe | Bogies; Frames (track-tensioning means B62D 55/30)   |
| B62D 55/104 | 2-Punkt Untergruppe | Suspension devices for wheels, rollers, bogies or frames (vehicle suspension in general B60G) [4]  |
| B62D 55/108 | 3-Punkt Untergruppe | with mechanical springs, e.g. torsion bars [4]   |
| B62D 55/112 | 3-Punkt Untergruppe | with fluid springs, e.g. hydraulic, pneumatic [4]  |
| B62D 55/116 | 3-Punkt Untergruppe | Attitude or position control of chassis by action on suspension, e.g. to compensate for a slope [4]  |
| B62D 55/12  | 2-Punkt Untergruppe | Arrangement, location, or adaptation of driving sprockets  |
| B62D 55/125 | 3-Punkt Untergruppe | Final drives [4]   |
| B62D 55/13  | 4-Punkt Untergruppe | readily interchangeable modular type [4]   |
| B62D 55/135 | 3-Punkt Untergruppe | with dismountable driving crown [4]  |
| B62D 55/14  | 2-Punkt Untergruppe | Arrangement, location, or adaptation of rollers  |
| B62D 55/15  | 3-Punkt Untergruppe | Mounting devices, e.g. bushings, axles, bearings, sealings [4]   |
| B62D 55/18  | 2-Punkt Untergruppe | Tracks (self-cleaning track links B62D 55/088) [4]   |
| B62D 55/20  | 3-Punkt Untergruppe | of articulated type, e.g. chains   |
| B62D 55/205 | 4-Punkt Untergruppe | Connections between track links [4]  |
| B62D 55/21  | 5-Punkt Untergruppe | Links connected by transverse pivot pins [4]   |
| B62D 55/215 | 5-Punkt Untergruppe | Resilient connections between links [4]  |
| B62D 55/22  | 4-Punkt Untergruppe | Arrangements for preventing or modifying back-flexing  |

| Symbol      | Тур                 | Titel   |
|-------------|---------------------|---|
| B62D 55/24  | 3-Punkt Untergruppe | of continuously-flexible type, e.g. rubber belts  |
| B62D 55/247 | 4-Punkt Untergruppe | Gas filled or inflatable flexible tracks (connection of valves to inflatable elastic bodies B60C 29/00) [4]   |
| B62D 55/253 | 4-Punkt Untergruppe | having elements interconnected by one or more cables or like elements [4]   |
| B62D 55/26  | 3-Punkt Untergruppe | Ground-engaging parts or elements   |
| B62D 55/265 | 4-Punkt Untergruppe | having magnetic or pneumatic adhesion [4]   |
| B62D 55/27  | 4-Punkt Untergruppe | having different types of crampons for progression over varying ground [4]  |
| B62D 55/275 | 4-Punkt Untergruppe | with street plate, i.e. means to prevent tread from cutting into road surface [4]   |
| B62D 55/28  | 4-Punkt Untergruppe | detachable  |
| B62D 55/30  | 2-Punkt Untergruppe | Track-tensioning means  |
| B62D 55/32  | 1-Punkt Untergruppe | . Assembly, disassembly, repair or servicing of endless-track systems [4]   |
| B62D 57/00  | Hauptgruppe         | 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]           |
| B62D 57/02  | 1-Punkt Untergruppe | . with ground-engaging propulsion means, e.g. walking members   |
| B62D 57/024 | 2-Punkt Untergruppe | 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] |
| B62D 57/028 | 2-Punkt Untergruppe | 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]                          |
| B62D 57/032 | 2-Punkt Untergruppe | with alternately or sequentially lifted supporting base and leg; with alternately or sequentially lifted feet or skid (B62D 57/024 takes precedence) [5]  |
| B62D 57/036 | 2-Punkt Untergruppe | screw type, e.g. Archimedian screw (B62D 57/024 takes precedence) [5]   |
| B62D 57/04  | 1-Punkt Untergruppe | . having other than ground-engaging propulsion means, e.g. having propellers (arrangement of jet-propulsion units B60K)   |
| B62D 59/00  | Hauptgruppe         | Trailers with driven ground wheels or the like  |
| B62D 59/02  | 1-Punkt Untergruppe | . driven from external propulsion unit  |
| B62D 59/04  | 1-Punkt Untergruppe | . driven from propulsion unit on trailer  |
| B62D 61/00  | Hauptgruppe         | Motor vehicles or trailers, characterised by the arrangement or number of wheels, not otherwise provided for, e.g. four wheels in diamond pattern   |
| B62D 61/02  | 1-Punkt Untergruppe | . with two road wheels in tandem on the longitudinal centre line of the vehicle   |
| B62D 61/04  | 2-Punkt Untergruppe | with two other wheels which are coaxial   |
| B62D 61/06  | 1-Punkt Untergruppe | . with only three wheels  |
| B62D 61/08  | 2-Punkt Untergruppe | with single front wheel   |
| B62D 61/10  | 1-Punkt Untergruppe | . with more than four wheels  |
| B62D 61/12  | 1-Punkt Untergruppe | . 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)  |
| B62D 63/00  | Hauptgruppe         | Motor vehicles or trailers not otherwise provided for   |
| B62D 63/02  | 1-Punkt Untergruppe | . Motor vehicles  |

| Symbol      | Тур                 | Titel   |
|-------------|---------------------|---|
| B62D 63/04  | 2-Punkt Untergruppe | Component parts or accessories  |
| B62D 63/06  | 1-Punkt Untergruppe | . Trailers (vehicles comprising living accommodation for people, e.g. caravans, camping or like vehicles, B60P 3/32)  |
| B62D 63/08  | 2-Punkt Untergruppe | Component parts or accessories  |
| B62D 65/00  | Hauptgruppe         | Designing, manufacturing, e.g. assembling, facilitating disassembly, or structurally modifying motor vehicles or trailers, not otherwise provided for                             |
| B62D 65/02  | 1-Punkt Untergruppe | . Joining sub-units or components to, or positioning sub-units or components with respect to, body shell or other sub-units or components [7]                                     |
| B62D 65/04  | 2-Punkt Untergruppe | 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]                         |
| B62D 65/06  | 2-Punkt Untergruppe | the sub-units or components being doors, windows, openable roofs, lids, bonnets, or weather strips or seals therefor [7]  |
| B62D 65/08  | 3-Punkt Untergruppe | Weather strips or seals [7]   |
| B62D 65/10  | 2-Punkt Untergruppe | the sub-units or components being engines, clutches or transmissions [7]  |
| B62D 65/12  | 2-Punkt Untergruppe | the sub-units or components being suspensions, brakes or wheel units [7]  |
| B62D 65/14  | 2-Punkt Untergruppe | the sub-units or components being passenger compartment fittings, e.g. seats, linings, trim, instrument panels [7]  |
| B62D 65/16  | 2-Punkt Untergruppe | the sub-units or components being exterior fittings, e.g. bumpers, lights, wipers [7]   |
| B62D 65/18  | 1-Punkt Untergruppe | . Transportation, conveyor or haulage systems specially adapted for motor vehicle or trailer assembly lines [7]   |
| B62D 67/00  | Hauptgruppe         | 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]                            |
| B62D 101/00 | Hauptgruppe         | Road speed [5]  |
| B62D 103/00 | Hauptgruppe         | Acceleration or deceleration in the direction of travel [5]   |
| B62D 105/00 | Hauptgruppe         | Loss of traction, e.g. wheel spin or skid [5]   |
| B62D 107/00 | Hauptgruppe         | Temperature [5]   |
| B62D 109/00 | Hauptgruppe         | Presence, absence or inactivity of driver or operator, e.g. by sensing the operation of the clutch, brake or throttle [5]   |
| B62D 111/00 | Hauptgruppe         | Forces disturbing the intended course of the vehicle, e.g. forces acting transversely of the direction of travel [5]  |
| B62D 113/00 | Hauptgruppe         | Position of parts of the steering mechanism, e.g. the steered wheels or the steering wheel [5]  |
| B62D 115/00 | Hauptgruppe         | Angle of articulation of articulated vehicle; Angle of tow-bar to towing vehicle [5]  |
| B62D 117/00 | Hauptgruppe         | Angular velocity of steering wheel [5]  |
| B62D 119/00 | Hauptgruppe         | Steering wheel torque [5]   |
| B62D 121/00 | Hauptgruppe         | Force applied to the steering linkage [5]   |
| B62D 123/00 | Hauptgruppe         | Fluid pressure supply for vehicle equipment, e.g. for power-assisted steering; Presence, failure or threshold values thereof; Lubricating or other fluid capacities [5]           |
| B62D 125/00 | Hauptgruppe         | Particular gear ratio selected [5]  |
| B62D 127/00 | Hauptgruppe         | Engine speed [5]  |
| B62D 131/00 | Hauptgruppe         | Load, including height of vehicle dependent on load; State of vehicle vibration damping means [5]   |
| B62D 133/00 | Hauptgruppe         | Trim or inclination, including road gradient [5]  |
| B62D 135/00 | Hauptgruppe         | Air moisture content [5]  |
| B62D 137/00 | Hauptgruppe         | Conditions not specified in groups B62D 101/00-B62D 135/00 [5]  |