| В          | Sektion             | SECTION B — PERFORMING OPERATIONS; TRANSPORTING   |
|------------|---------------------|---|
| B64        | Klasse              | AIRCRAFT; AVIATION; COSMONAUTICS  |
| B64D       | Unterklasse         | EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS   |
| B64D 1/00  | Hauptgruppe         | Dropping, ejecting, releasing, or receiving articles, liquids, or the like, in flight (with respect to weapon sights, F41G takes precedence; parachutes B64D 17/00; ejectable seats B64D 25/10; ejectable capsules B64D 25/12; refuelling during flight B64D 39/00; launching apparatus for projecting projectiles or missiles F41F 1/00, F41F 7/00; rocket or torpedo launchers F41F 3/00) |
| B64D 1/02  | 1-Punkt Untergruppe | . Dropping, ejecting, or releasing articles (jettisonable fuel reservoirs B64D 37/12)   |
| B64D 1/04  | 2-Punkt Untergruppe | the articles being explosive, e.g. bombs (arming or setting bomb fuzes F42C)  |
| B64D 1/06  | 3-Punkt Untergruppe | Bomb releasing; Bomb doors  |
| B64D 1/08  | 2-Punkt Untergruppe | the articles being load-carrying devices  |
| B64D 1/10  | 3-Punkt Untergruppe | Stowage arrangements for the devices in aircraft  |
| B64D 1/12  | 3-Punkt Untergruppe | Releasing   |
| B64D 1/14  | 3-Punkt Untergruppe | Absorbing landing shocks  |
| B64D 1/16  | 1-Punkt Untergruppe | . Dropping or releasing powdered, liquid or gaseous matter, e.g. for fire-fighting (jettisoning fuel B64D 37/26) [5]  |
| B64D 1/18  | 2-Punkt Untergruppe | by spraying, e.g. insecticides (spraying apparatus in general B05B)   |
| B64D 1/20  | 2-Punkt Untergruppe | for sky-writing   |
| B64D 1/22  | 1-Punkt Untergruppe | . Taking-up articles from earth's surface   |
| B64D 3/00  | Hauptgruppe         | Aircraft adaptations to facilitate towing or being towed (B64D 39/00 takes precedence; ground installations for launching or towing aircraft B64F; towing ropes per seD07B)   |
|            |                     | installations for faultching of towing ancrait bour, towing topes <u>per se</u> porby   |
| B64D 3/02  | 1-Punkt Untergruppe | . for towing targets (towed targets <u>per se</u> F41J)   |
| B64D 5/00  | Hauptgruppe         | Aircraft transported by aircraft, e.g. for release or reberthing during flight (flying units formed by separate aircraft B64C 37/02)  |
| B64D 7/00  | Hauptgruppe         | Arrangement of military equipment, e.g. armaments, armament accessories, or military shielding, in aircraft; Adaptations of armament mountings for aircraft (dropping bombs or the like B64D  |
|            |                     | 1/00; armaments or mountings therefor <u>per se</u> F41)  |
| B64D 7/02  | 1-Punkt Untergruppe | . the armaments being firearms  |
| B64D 7/04  | 2-Punkt Untergruppe | fixedly mounted   |
| B64D 7/06  | 2-Punkt Untergruppe | movably mounted   |
| B64D 7/08  | 1-Punkt Untergruppe | . Arrangement of rocket launchers (rocket launchers <u>per se</u> , e.g. rocket pods, F41F 3/06)  |
| B64D 9/00  | Hauptgruppe         | Equipment for handling freight; Equipment for facilitating passenger embarkation or the like ( emergency equipment B64D 17/00, B64D 19/00, B64D 25/00; structures integral with fuselage to facilitate loading, fuselage floors specially adapted for freight, steps mounted on, and retractable within, aircraft B64C; ground installations B64F)  |
| B64D 10/00 | Hauptgruppe         | Flying suits (helmets in general A42B 3/00; breathing helmets A62B 18/00) [3]   |
| B64D 11/00 | Hauptgruppe         | Passenger or crew accommodation; Flight-deck installations not otherwise provided for   |
| B64D 11/02 | 1-Punkt Untergruppe | . Toilet fittings (of general application A47K)   |

| Symbol     | Тур                 | Titel   |
|------------|---------------------|---|
| B64D 11/04 | 1-Punkt Untergruppe | . Galleys   |
| B64D 11/06 | 1-Punkt Untergruppe | . Arrangements or adaptations of seats (seat constructions for emergency purposes B64D 25/04)   |
| B64D 13/00 | Hauptgruppe         | Arrangements or adaptations of air-treatment apparatus for aircraft crew or passengers, or freight space (treatment rooms with artificial climate for medical purposes A61G 10/02; respiratory apparatus in general A62B; for vehicles in general B60H) |
| B64D 13/02 | 1-Punkt Untergruppe | . the air being pressurised   |
| B64D 13/04 | 2-Punkt Untergruppe | Automatic control of pressure   |
| B64D 13/06 | 1-Punkt Untergruppe | . the air being conditioned (pressurising B64D 13/02)   |
| B64D 13/08 | 2-Punkt Untergruppe | the air being heated or cooled  |
| B64D 15/00 | Hauptgruppe         | De-icing or preventing icing on exterior surfaces of aircraft (motor vehicles specially adapted for carrying de-icing equipment B60P)   |
| B64D 15/02 | 1-Punkt Untergruppe | . by ducted hot gas or liquid   |
| B64D 15/04 | 2-Punkt Untergruppe | Hot gas application   |
| B64D 15/06 | 2-Punkt Untergruppe | Liquid application (in general B05)   |
| B64D 15/08 | 3-Punkt Untergruppe | exuded from surface   |
| B64D 15/10 | 3-Punkt Untergruppe | sprayed over surface  |
| B64D 15/12 | 1-Punkt Untergruppe | . by electric heating (H05B 3/84 takes precedence; electric heating elements in general H05B) [5]   |
| B64D 15/14 | 2-Punkt Untergruppe | controlled cyclically along length of surface   |
| B64D 15/16 | 1-Punkt Untergruppe | . by mechanical means, e.g. pulsating mats or shoes attached to, or built into, surface   |
| B64D 15/18 | 2-Punkt Untergruppe | the surface being an aerofoil, rotor, or propeller  |
| B64D 15/20 | 1-Punkt Untergruppe | . Means for detecting icing or initiating de-icing  |
| B64D 15/22 | 2-Punkt Untergruppe | Automatic initiation by icing detector  |
| B64D 17/00 | Hauptgruppe         | Parachutes (non-canopied parachutes B64D 19/00)   |
| B64D 17/02 | 1-Punkt Untergruppe | . Canopy arrangement or construction  |
| B64D 17/04 | 2-Punkt Untergruppe | formed with two or more canopies arranged about a common axis   |
| B64D 17/06 | 2-Punkt Untergruppe | formed with two or more canopies arranged in a cluster  |
| B64D 17/08 | 2-Punkt Untergruppe | Secondary or shock-absorbing canopies attached to load line   |
| B64D 17/10 | 2-Punkt Untergruppe | Ribbon construction or the like   |
| B64D 17/12 | 2-Punkt Untergruppe | constructed to provide variable or non-uniform porosity over area of canopy   |
| B64D 17/14 | 2-Punkt Untergruppe | with skirt or air-deflecting panels   |
| B64D 17/16 | 3-Punkt Untergruppe | secured to hem of main canopy   |
| B64D 17/18 | 2-Punkt Untergruppe | Vent arrangement or construction  |
| B64D 17/20 | 3-Punkt Untergruppe | variable in area  |
| B64D 17/22 | 1-Punkt Untergruppe | . Load suspension   |

| Symbol                   | Тур                        | Titel   |
|--------------------------|----------------------------|---|
| B64D 17/24               | 2-Punkt Untergruppe        | Rigging lines   |
| B64D 17/26               | 3-Punkt Untergruppe        | attached to hem of canopy   |
| B64D 17/28               | 3-Punkt Untergruppe        | attached to apex of canopy  |
| B64D 17/30               | 2-Punkt Untergruppe        | Harnesses [4]   |
| B64D 17/32               | 3-Punkt Untergruppe        | Construction of quick-release box   |
| B64D 17/34               | 2-Punkt Untergruppe        | adapted to control direction or rate of descent   |
| B64D 17/36               | 2-Punkt Untergruppe        | incorporating friction devices or frangible connections to reduce shock loading of canopy       |
| B64D 17/38               | 2-Punkt Untergruppe        | Releasable fastening devices between parachute and load or pack                                 |
| B64D 17/40               | 1-Punkt Untergruppe        | . Packs   |
| B64D 17/42               | 2-Punkt Untergruppe        | rigid   |
| B64D 17/44               | 3-Punkt Untergruppe        | forming part of load  |
| B64D 17/46               | 2-Punkt Untergruppe        | Closing means   |
| B64D 17/48               | 2-Punkt Untergruppe        | with separate pack for extractor of auxiliary parachute   |
| B64D 17/50               | 2-Punkt Untergruppe        | formed with separate compartments for main canopy, rigging lines, or auxiliary parachute        |
| B64D 17/52               | 2-Punkt Untergruppe        | Opening, e.g. manual  |
| B64D 17/54               | 3-Punkt Untergruppe        | automatic   |
| B64D 17/56               | 4-Punkt Untergruppe        | responsive to barometric pressure   |
| B64D 17/58               | 4-Punkt Untergruppe        | responsive to time-delay mechanism  |
| B64D 17/60               | 4-Punkt Untergruppe        | by static line  |
| B64D 17/62               | 1-Punkt Untergruppe        | . Deployment  |
| B64D 17/64               | 2-Punkt Untergruppe        | by extractor parachute  |
| B64D 17/66               | 3-Punkt Untergruppe        | attached to hem of main canopy  |
| B64D 17/68               | 3-Punkt Untergruppe        | attached to apex of main canopy   |
| B64D 17/70               | 2-Punkt Untergruppe        | by springs  |
| B64D 17/72               | 2-Punkt Untergruppe        | by explosive or inflatable means (connection of valves to inflatable elastic bodies B60C 29/00) |
| B64D 17/74               | 2-Punkt Untergruppe        | Sequential deployment of a plurality of canopies  |
| B64D 17/76               | 2-Punkt Untergruppe        | facilitated by method of folding or packing   |
| B64D 17/78               | 1-Punkt Untergruppe        | . in association with other load-retarding apparatus  |
| B64D 17/80               | 1-Punkt Untergruppe        | . in association with aircraft, e.g. for braking thereof  |
| B64D 19/00               | Hauptgruppe                | Non-canopied parachutes   |
| B64D 19/02               | 1-Punkt Untergruppe        | . Rotary-wing parachutes  |
| B64D 21/00<br>B64D 23/00 | Hauptgruppe<br>Hauptgruppe | Testing of parachutes  Training of parachutists   |
|                          | riauptyi uppe              | Training of paracillusis  |

| Symbol      | Тур                 | Titel   |
|-------------|---------------------|---|
| B64D 25/00  | Hauptgruppe         | Emergency apparatus or devices, not otherwise provided for (parachutes B64D 17/00, B64D 19/00; jettisoning of fuel tanks or fuel B64D 37/00; safety belts or body harnesses in general A62B 35/00; safety belts or body harnesses for land vehicles B60R 22/00; severable or jettisonable parts of fuselage facilitating emergency escape B64C) [4] |
| B64D 25/02  | 1-Punkt Untergruppe | . Supports or holding means for living bodies (for ejector seats B64D 25/115) [5]   |
| B64D 25/04  | 2-Punkt Untergruppe | Seat modifications  |
| B64D 25/06  | 2-Punkt Untergruppe | Harnessing [4]  |
| B64D 25/08  | 1-Punkt Untergruppe | . Ejecting or escaping means (escape apertures B64C)  |
| B64D 25/10  | 2-Punkt Untergruppe | Ejector seats   |
| B64D 25/102 | 3-Punkt Untergruppe | Propelling means, e.g. by a combination of catapult and rocket means (B64D 25/11, B64D 25/112 take precedence) [5]  |
| B64D 25/105 | 4-Punkt Untergruppe | by catapult means only [5]  |
| B64D 25/108 | 4-Punkt Untergruppe | by rocket means only [5]  |
| B64D 25/11  | 3-Punkt Untergruppe | Controlling attitude or direction of ejector seat or associated mechanism prior to ejection [5]   |
| B64D 25/112 | 3-Punkt Untergruppe | Controlling attitude or direction of ejector seat after ejection [5]  |
| B64D 25/115 | 3-Punkt Untergruppe | Occupant restraining, positioning or protecting devices [5]   |
| B64D 25/118 | 3-Punkt Untergruppe | Separation of occupant from seat after ejection [5]   |
| B64D 25/12  | 2-Punkt Untergruppe | Ejectable capsules  |
| B64D 25/14  | 2-Punkt Untergruppe | Inflatable escape chutes (connection of valves to inflatable elastic bodies B60C 29/00)   |
| B64D 25/16  | 2-Punkt Untergruppe | Dinghy stowage  |
| B64D 25/18  | 2-Punkt Untergruppe | Flotation gear (aircraft alighting gear B64C)   |
| B64D 25/20  | 2-Punkt Untergruppe | Releasing of crash-position indicators  |
| B64D 27/00  | Hauptgruppe         | Arrangement or mounting of power plant in aircraft; Aircraft characterised thereby (attitude, flight- direction, or altitude control of aircraft by jet reaction B64C)  |
| B64D 27/02  | 1-Punkt Untergruppe | . Aircraft characterised by the type or position of power plant (fuselages or wings adapted for mounting power plant B64C)  |
| B64D 27/04  | 2-Punkt Untergruppe | of piston type  |
| B64D 27/06  | 3-Punkt Untergruppe | within, or attached to, wing  |
| B64D 27/08  | 3-Punkt Untergruppe | within, or attached to, fuselage  |
| B64D 27/10  | 2-Punkt Untergruppe | of gas-turbine type (B64D 27/16 takes precedence)   |
| B64D 27/12  | 3-Punkt Untergruppe | within, or attached to, wing  |
| B64D 27/14  | 3-Punkt Untergruppe | within, or attached to, fuselage  |
| B64D 27/16  | 2-Punkt Untergruppe | of jet type   |
| B64D 27/18  | 3-Punkt Untergruppe | within, or attached to, wing  |
| B64D 27/20  | 3-Punkt Untergruppe | within, or attached to, fuselage  |
| B64D 27/22  | 2-Punkt Untergruppe | using atomic energy   |

| Symbol     | Тур                 | Titel   |
|------------|---------------------|---|
| B64D 27/24 | 2-Punkt Untergruppe | using steam, electricity, or spring force (B64D 27/16 takes precedence)   |
| B64D 27/26 | 1-Punkt Untergruppe | . Aircraft characterised by construction of power-plant mounting  |
| B64D 29/00 | Hauptgruppe         | Power-plant nacelles, fairings, or cowlings (nacelles not otherwise provided for B64C)  |
| B64D 29/02 | 1-Punkt Untergruppe | . associated with wings (wings adapted for mounting power plant B64C)   |
| B64D 29/04 | 1-Punkt Untergruppe | . associated with fuselages   |
| B64D 29/06 | 1-Punkt Untergruppe | . Attaching of nacelles, fairings, or cowlings  |
| B64D 29/08 | 1-Punkt Untergruppe | . Inspection panels for power plants  |
| B64D 31/00 | Hauptgruppe         | Power plant control; Arrangement thereof (flying controls, conjoint control of power plant and propeller B64C)  |
| B64D 31/02 | 1-Punkt Untergruppe | . Initiating means  |
| B64D 31/04 | 2-Punkt Untergruppe | actuated personally   |
| B64D 31/06 | 2-Punkt Untergruppe | actuated automatically  |
| B64D 31/08 | 3-Punkt Untergruppe | for keeping cruising speed constant   |
| B64D 31/10 | 3-Punkt Untergruppe | for preventing asymmetric thrust upon failure of one power plant  |
| B64D 31/12 | 3-Punkt Untergruppe | for equalising or synchronising power plants  |
| B64D 31/14 | 1-Punkt Untergruppe | . Transmitting means between initiating means and power plants  |
| B64D 33/00 | Hauptgruppe         | Arrangement in aircraft of power plant parts or auxiliaries not otherwise provided for  |
| B64D 33/02 | 1-Punkt Untergruppe | . of combustion air intakes (air intakes for gas-turbine plants or jet-propulsion plants <u>per se</u> F02C 7/04; air intakes for combustion engines in general F02M 35/00)   |
| B64D 33/04 | 1-Punkt Untergruppe | . of exhaust outlets or jet pipes (exhaust outlets for combustion engines in general F01N; jet pipes or nozzles for jet-propulsion plants <u>per se</u> F02K; plants characterised by the form or arrangement of the jet pipe or nozzle F02K) [3] |
| B64D 33/08 | 1-Punkt Untergruppe | . of power plant cooling systems (cooling of internal-combustion engines <u>per se</u> F01P; cooling of gas-turbine plants or jet-propulsion plants <u>per se</u> F02C, F02K)   |
| B64D 33/10 | 2-Punkt Untergruppe | Radiator arrangement  |
| B64D 33/12 | 3-Punkt Untergruppe | of retractable type   |
| B64D 35/00 | Hauptgruppe         | Transmitting power from power plant to propellers or rotors; Arrangements of transmissions ( propellers or rotors <u>per se</u> , helicopter transmissions B64C)  |
| B64D 35/02 | 1-Punkt Untergruppe | . characterised by the type of power plant  |
| B64D 35/04 | 1-Punkt Untergruppe | . characterised by the transmission driving a plurality of propellers or rotors   |
| B64D 35/06 | 2-Punkt Untergruppe | the propellers or rotors being counter-rotating   |
| B64D 35/08 | 1-Punkt Untergruppe | . characterised by the transmission being driven by a plurality of power plants   |
| B64D 37/00 | Hauptgruppe         | Arrangements in connection with fuel supply for power plant (refuelling during flight B64D 39/00)   |
| B64D 37/02 | 1-Punkt Untergruppe | . Tanks (tanks constructed integrally with aircraft wings B64C; tanks in general B65D)  |
| B64D 37/04 | 2-Punkt Untergruppe | Arrangement thereof in or on aircraft   |

| Symbol     | Тур                 | Titel   |
|------------|---------------------|---|
| B64D 37/06 | 2-Punkt Untergruppe | Constructional adaptations thereof  |
| B64D 37/08 | 3-Punkt Untergruppe | Internal partitioning   |
| B64D 37/10 | 3-Punkt Untergruppe | to facilitate fuel pressurisation   |
| B64D 37/12 | 3-Punkt Untergruppe | jettisonable  |
| B64D 37/14 | 2-Punkt Untergruppe | Filling or emptying (transferring fuels to adjust aircraft trim B64C)   |
| B64D 37/16 | 3-Punkt Untergruppe | Filling systems (ground installations for fuelling aircraft B64F)   |
| B64D 37/18 | 4-Punkt Untergruppe | Conditioning fuel during filling  |
| B64D 37/20 | 3-Punkt Untergruppe | Emptying systems  |
| B64D 37/22 | 4-Punkt Untergruppe | facilitating emptying in any position of tank   |
| B64D 37/24 | 4-Punkt Untergruppe | using gas pressure  |
| B64D 37/26 | 4-Punkt Untergruppe | Jettisoning of fuel   |
| B64D 37/28 | 4-Punkt Untergruppe | Control thereof   |
| B64D 37/30 | 1-Punkt Untergruppe | . Fuel systems for specific fuels   |
| B64D 37/32 | 1-Punkt Untergruppe | . Safety measures not otherwise provided for, e.g. preventing explosive conditions (extinguishing or preventing fires in aircraft A62C)                           |
| B64D 37/34 | 1-Punkt Untergruppe | . Conditioning fuel, e.g. heating (during filling B64D 37/18)   |
| B64D 39/00 | Hauptgruppe         | Refuelling during flight (filling or emptying fuel tanks B64D 37/14)  |
| B64D 39/02 | 1-Punkt Untergruppe | . Means for paying-in or out hose   |
| B64D 39/04 | 1-Punkt Untergruppe | . Adaptations of hose construction (pipes in general F16L)  |
| B64D 39/06 | 1-Punkt Untergruppe | . Connecting hose to aircraft; Disconnecting hose therefrom   |
| B64D 41/00 | Hauptgruppe         | Power installations for auxiliary purposes  |
| B64D 43/00 | Hauptgruppe         | Arrangements or adaptations of instruments (arrangements of cameras B64D 47/08; aeronautical  |
|            |                     | measuring instruments <u>per se</u> G01C)   |
| B64D 43/02 | 1-Punkt Untergruppe | . for indicating aircraft speed or stalling conditions  |
| B64D 45/00 | Hauptgruppe         | Aircraft indicators or protectors not otherwise provided for (camouflage F41H 3/00)   |
| B64D 45/02 | 1-Punkt Untergruppe | . Lightning protectors (lightning arrestors H01C 7/12, H01C 8/04, H01G 9/18, H01T; circuit arrangements therefor H02H); Static dischargers (in general H05F 3/00) |
| B64D 45/04 | 1-Punkt Untergruppe | . Landing aids; Safety measures to prevent collision with earth's surface   |
| B64D 45/06 | 2-Punkt Untergruppe | mechanical  |
| B64D 45/08 | 2-Punkt Untergruppe | optical   |
| B64D 47/00 | Hauptgruppe         | Equipment not otherwise provided for  |
| B64D 47/02 | 1-Punkt Untergruppe | . Arrangements or adaptations of signal or lighting devices   |
| B64D 47/04 | 2-Punkt Untergruppe | the lighting devices being primarily intended to illuminate the way ahead   |
| B64D 47/06 | 2-Punkt Untergruppe | for indicating aircraft presence  |
| B64D 47/08 | 1-Punkt Untergruppe | . Arrangements of cameras   |