

SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B64 AIRCRAFT; AVIATION; COSMONAUTICS

B64D EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLIGHT SUITS; PARACHUTES; ARRANGEMENT OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS IN AIRCRAFT

Subclass index

FLIGHT ARRANGEMENTS ON AIRCRAFT

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For fuel supply.....	37/00, 39/00
Of flying instruments.....	43/00

USE OF AIRCRAFT

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For persons or freight.....	9/00-13/00

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For jettisoning or other means concerning fuel.....	37/26, 37/32
For persons or material	
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EQUIPMENT FOR OPERATIONS PERFORMED DURING FLIGHT

Releasing or receiving articles, fluent materials, or another aircraft.....	1/00, 5/00
Towing, fuel replenishing.....	3/00, 39/00

OTHER ARRANGEMENTS OR EQUIPMENT.....47/00

1/00	Dropping, ejecting, releasing or receiving articles, liquids, or the like, in flight (weapon sights or aiming F41G; 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) [1, 2006.01]	5/00	Aircraft transported by aircraft, e.g. for release or reberthing during flight [1, 2006.01]
1/02	• Dropping, ejecting, or releasing articles (jettisonable fuel reservoirs B64D 37/12) [1, 2006.01]	7/00	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) [1, 2006.01]
1/04	• • the articles being explosive, e.g. bombs [1, 2006.01]	7/02	• the armaments being firearms [1, 2006.01]
1/06	• • • Bomb releasing; Bomb doors [1, 2006.01]	7/04	• • fixedly mounted [1, 2006.01]
1/08	• • the articles being load-carrying devices [1, 2006.01]	7/06	• • movably mounted [1, 2006.01]
1/10	• • • Stowage arrangements for the devices in aircraft [1, 2006.01]	7/08	• Arrangement of rocket launchers [1, 2006.01]
1/12	• • • Releasing [1, 2006.01]	9/00	Equipment for handling freight; Equipment for facilitating passenger embarkation or the like [1, 2006.01]
1/14	• • • Absorbing landing shocks [1, 2006.01]	10/00	Flight suits [3, 2006.01]
1/16	• Dropping or releasing powdered, liquid or gaseous matter, e.g. for fire-fighting (jettisoning fuel B64D 37/26) [1, 5, 2006.01]	11/00	Passenger or crew accommodation; Flight-deck installations not otherwise provided for [1, 2006.01]
1/18	• • by spraying, e.g. insecticides [1, 2006.01]	11/02	• Toilet fittings [1, 2006.01]
1/20	• • for sky-writing [1, 2006.01]	11/04	• Galleys [1, 2006.01]
1/22	• Taking-up articles from earth's surface [1, 2006.01]	11/06	• Arrangements or adaptations of seats (seat constructions for emergency purposes B64D 25/04) [1, 2006.01]
3/00	Aircraft adaptations to facilitate towing or being towed [1, 2006.01]		
3/02	• for towing targets [1, 2006.01]		

- 13/00 Arrangements or adaptations of air-treatment apparatus for aircraft crew or passengers, or freight space [1, 2006.01]**
- 13/02 • the air being pressurised [1, 2006.01]
 - 13/04 • • Automatic control of pressure [1, 2006.01]
 - 13/06 • the air being conditioned (pressurising B64D 13/02) [1, 2006.01]
 - 13/08 • • the air being heated or cooled [1, 2006.01]
- 15/00 De-icing or preventing icing on exterior surfaces of aircraft [1, 2006.01]**
- 15/02 • by ducted hot gas or liquid [1, 2006.01]
 - 15/04 • • Hot gas application [1, 2006.01]
 - 15/06 • • Liquid application [1, 2006.01]
 - 15/08 • • • exuded from surface [1, 2006.01]
 - 15/10 • • • sprayed over surface [1, 2006.01]
 - 15/12 • by electric heating (heating arrangements specially adapted for transparent or reflecting areas H05B 3/84) [1, 5, 2006.01]
 - 15/14 • • controlled cyclically along length of surface [1, 2006.01]
 - 15/16 • by mechanical means, e.g. pulsating mats or shoes attached to, or built into, surface [1, 2006.01]
 - 15/18 • • the surface being an aerofoil, rotor, or propeller [1, 2006.01]
 - 15/20 • Means for detecting icing or initiating de-icing [1, 2006.01]
 - 15/22 • • Automatic initiation by icing detector [1, 2006.01]
- 17/00 Parachutes (non-canopied parachutes B64D 19/00) [1, 2006.01]**
- 17/02 • Canopy arrangement or construction [1, 2006.01]
 - 17/04 • • formed with two or more canopies arranged about a common axis [1, 2006.01]
 - 17/06 • • formed with two or more canopies arranged in a cluster [1, 2006.01]
 - 17/08 • • Secondary or shock-absorbing canopies attached to load line [1, 2006.01]
 - 17/10 • • Ribbon construction or the like [1, 2006.01]
 - 17/12 • • constructed to provide variable or non-uniform porosity over area of canopy [1, 2006.01]
 - 17/14 • • with skirt or air-deflecting panels [1, 2006.01]
 - 17/16 • • • secured to hem of main canopy [1, 2006.01]
 - 17/18 • • Vent arrangement or construction [1, 2006.01]
 - 17/20 • • • variable in area [1, 2006.01]
 - 17/22 • Load suspension [1, 2006.01]
 - 17/24 • • Rigging lines [1, 2006.01]
 - 17/26 • • • attached to hem of canopy [1, 2006.01]
 - 17/28 • • • attached to apex of canopy [1, 2006.01]
 - 17/30 • • Harnesses [1, 4, 2006.01]
 - 17/32 • • • Construction of quick-release box [1, 2006.01]
 - 17/34 • • adapted to control direction or rate of descent [1, 2006.01]
 - 17/36 • • incorporating friction devices or frangible connections to reduce shock loading of canopy [1, 2006.01]
 - 17/38 • • Releasable fastening devices between parachute and load or pack [1, 2006.01]
 - 17/40 • Packs [1, 2006.01]
 - 17/42 • • rigid [1, 2006.01]
 - 17/44 • • • forming part of load [1, 2006.01]
 - 17/46 • • Closing means [1, 2006.01]
 - 17/48 • • with separate pack for extractor of auxiliary parachute [1, 2006.01]
- 17/50 • • formed with separate compartments for main canopy, rigging lines, or auxiliary parachute [1, 2006.01]
 - 17/52 • • Opening, e.g. manual [1, 2006.01]
 - 17/54 • • • automatic [1, 2006.01]
 - 17/56 • • • • responsive to barometric pressure [1, 2006.01]
 - 17/58 • • • • responsive to time-delay mechanism [1, 2006.01]
 - 17/60 • • • • by static line [1, 2006.01]
 - 17/62 • Deployment [1, 2006.01]
 - 17/64 • • by extractor parachute [1, 2006.01]
 - 17/66 • • • attached to hem of main canopy [1, 2006.01]
 - 17/68 • • • attached to apex of main canopy [1, 2006.01]
 - 17/70 • • by springs [1, 2006.01]
 - 17/72 • • by explosive or inflatable means [1, 2006.01]
 - 17/74 • • Sequential deployment of a plurality of canopies [1, 2006.01]
 - 17/76 • • facilitated by method of folding or packing [1, 2006.01]
 - 17/78 • in association with other load-retarding apparatus [1, 2006.01]
 - 17/80 • in association with aircraft, e.g. for braking thereof [1, 2006.01]
- 19/00 Non-canopied parachutes [1, 2006.01]**
- 19/02 • Rotary-wing parachutes [1, 2006.01]
- 21/00 Testing of parachutes [1, 2006.01]**
- 23/00 Training of parachutists [1, 2006.01]**
- 25/00 Emergency apparatus or devices, not otherwise provided for [1, 4, 2006.01]**
- 25/02 • Supports or holding means for living bodies (for ejector seats B64D 25/115) [1, 5, 2006.01]
 - 25/04 • • Seat modifications [1, 2006.01]
 - 25/06 • • Harnessing [1, 4, 2006.01]
 - 25/08 • Ejecting or escaping means [1, 2006.01]
 - 25/10 • • Ejector seats [1, 2006.01]
 - 25/102 • • • Propelling means, e.g. by a combination of catapult and rocket means [5, 2006.01]
 - 25/105 • • • • by catapult means only [5, 2006.01]
 - 25/108 • • • • by rocket means only [5, 2006.01]
 - 25/11 • • • Controlling attitude or direction of ejector seat or associated mechanism prior to ejection [5, 2006.01]
 - 25/112 • • • Controlling attitude or direction of ejector seat after ejection [5, 2006.01]
 - 25/115 • • • Occupant restraining, positioning or protecting devices [5, 2006.01]
 - 25/118 • • • Separation of occupant from seat after ejection [5, 2006.01]
 - 25/12 • • Ejectable capsules [1, 2006.01]
 - 25/14 • • Inflatable escape chutes [1, 2006.01]
 - 25/16 • • Dinghy stowage [1, 2006.01]
 - 25/18 • • Flotation gear [1, 2006.01]
 - 25/20 • • Releasing of crash-position indicators [1, 2006.01]
- 27/00 Arrangement or mounting of power plants in aircraft; Aircraft characterised by the type or position of power plants [1, 2006.01]**
- 27/02 • Aircraft characterised by the type or position of power plants [1, 2006.01]
 - 27/04 • • of piston type [1, 2006.01]
 - 27/06 • • • within, or attached to, wings [1, 2006.01]

- 27/08 • • • within, or attached to, fuselages [1, 2006.01]
- 27/10 • • of gas-turbine type (jet aircraft B64D 27/16) [1, 2006.01]
- 27/12 • • • within, or attached to, wings [1, 2006.01]
- 27/14 • • • within, or attached to, fuselages [1, 2006.01]
- 27/16 • • of jet type [1, 2006.01]
- 27/18 • • • within, or attached to, wings [1, 2006.01]
- 27/20 • • • within, or attached to, fuselages [1, 2006.01]
- 27/22 • • using atomic energy [1, 2006.01]
- 27/24 • • using steam or spring force (jet aircraft B64D 27/16) [1, 2006.01, 2024.01]
- 27/30 • • Aircraft characterised by electric power plants [2024.01]
- 27/31 • • • within, or attached to, wings [2024.01]
- 27/32 • • • within, or attached to, fuselages [2024.01]
- 27/33 • • • Hybrid electric aircraft [2024.01]
- 27/34 • • • All-electric aircraft [2024.01]
- 27/35 • • • Arrangements for on-board electric energy production, distribution, recovery or storage [2024.01]
- 27/351 • • • • using energy recovery [2024.01]
- 27/353 • • • • using solar cells [2024.01]
- 27/355 • • • • using fuel cells [2024.01]
- 27/357 • • • • using batteries [2024.01]
- 27/359 • • • • using capacitors [2024.01]
- 27/40 • Arrangements for mounting power plants in aircraft [2024.01]
- 29/00 Power-plant nacelles, fairings or cowlings [1, 2006.01]**
- 29/02 • associated with wings [1, 2006.01]
- 29/04 • associated with fuselages [1, 2006.01]
- 29/06 • Attaching of nacelles, fairings, or cowlings [1, 2006.01]
- 29/08 • Inspection panels for power plants [1, 2006.01]
- 31/00 Power plant control systems; Arrangement of power plant control systems in aircraft [1, 2006.01, 2024.01]**
- 31/02 • Initiating means [1, 2006.01]
- 31/04 • • actuated personally [1, 2006.01]
- 31/06 • • actuated automatically [1, 2006.01, 2024.01]
- 31/08 • • • for keeping cruising speed constant [1, 2006.01]
- 31/09 • • • in response to power plant failure [2024.01]
- 31/10 • • • for preventing asymmetric thrust [1, 2006.01]
- 31/12 • • • for equalising or synchronising power plants [1, 2006.01]
- 31/14 • Transmitting means between initiating means and power plants [1, 2006.01]
- 31/16 • for electric power plants [2024.01]
- 31/18 • • for hybrid-electric power plants [2024.01]
- 33/00 Arrangement in aircraft of power plant parts or auxiliaries not otherwise provided for [1, 2006.01]**
- 33/02 • of combustion air intakes [1, 2006.01]
- 33/04 • of exhaust outlets or jet pipes [1, 3, 2006.01]
- 33/08 • of power plant cooling systems [1, 2006.01]
- 33/10 • • Radiator arrangement [1, 2006.01]
- 33/12 • • • of retractable type [1, 2006.01]
- 35/00 Transmitting power from power plants to propellers or rotors; Arrangements of transmissions [1, 2006.01]**
- 35/02 • specially adapted for specific power plants [1, 2006.01, 2024.01]
- 35/021 • • for electric power plants [2024.01]
- 35/022 • • • of hybrid-electric type [2024.01, 2025.01]
- 35/023 • • • • of series-parallel type [2024.01, 2025.01]
- 35/024 • • • • of series type [2024.01, 2025.01]
- 35/025 • • • • of parallel type [2024.01, 2025.01]
- 35/026 • • • the electric power plant being integral with the propeller or rotor [2024.01, 2025.01]
- 35/04 • characterised by the transmission driving a plurality of propellers or rotors [1, 2006.01]
- 35/06 • • the propellers or rotors being counter-rotating [1, 2006.01]
- 35/08 • characterised by the transmission being driven by a plurality of power plants (for hybrid-electric power plants B64D 35/022) [1, 2006.01, 2025.01]
- 37/00 Arrangements in connection with fuel supply for power plant (refuelling during flight B64D 39/00) [1, 2006.01]**
- 37/02 • Tanks (tanks constructed integrally with aircraft wings B64C 3/34) [1, 2006.01]
- 37/04 • • Arrangement thereof in or on aircraft [1, 2006.01]
- 37/06 • • Constructional adaptations thereof [1, 2006.01]
- 37/08 • • • Internal partitioning [1, 2006.01]
- 37/10 • • • to facilitate fuel pressurisation [1, 2006.01]
- 37/12 • • • jettisonable [1, 2006.01]
- 37/14 • • Filling or emptying (transferring fuels to adjust aircraft trim B64C 17/10) [1, 2006.01]
- 37/16 • • • Filling systems (ground installations for fuelling aircraft B64F 1/28) [1, 2006.01]
- 37/18 • • • • Conditioning fuel during filling [1, 2006.01]
- 37/20 • • • Emptying systems [1, 2006.01]
- 37/22 • • • • facilitating emptying in any position of tank [1, 2006.01]
- 37/24 • • • • using gas pressure [1, 2006.01]
- 37/26 • • • • Jettisoning of fuel [1, 2006.01]
- 37/28 • • • • Control thereof [1, 2006.01]
- 37/30 • Fuel systems for specific fuels [1, 2006.01]
- 37/32 • Safety measures not otherwise provided for, e.g. preventing explosive conditions [1, 2006.01]
- 37/34 • Conditioning fuel, e.g. heating (during filling B64D 37/18) [1, 2006.01]
- 39/00 Refuelling during flight [1, 2006.01]**
- 39/02 • Means for paying-in or out hose [1, 2006.01]
- 39/04 • Adaptations of hose construction [1, 2006.01]
- 39/06 • Connecting hose to aircraft; Disconnecting hose therefrom [1, 2006.01]
- 41/00 Power installations for auxiliary purposes [1, 2006.01]**
- 43/00 Arrangements or adaptations of instruments [1, 2006.01]**
- 43/02 • for indicating aircraft speed or stalling conditions [1, 2006.01]
- 45/00 Aircraft indicators or protectors not otherwise provided for [1, 2006.01]**
- 45/02 • Lightning protectors; Static dischargers [1, 2006.01]
- 45/04 • Landing aids; Safety measures to prevent collision with earth's surface [1, 2006.01]
- 45/06 • • mechanical [1, 2006.01]
- 45/08 • • optical [1, 2006.01]
- 47/00 Equipment not otherwise provided for [1, 2006.01]**
- 47/02 • Arrangements or adaptations of signal or lighting devices [1, 2006.01]

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the lighting devices being primarily intended to illuminate the way ahead **[1, 2006.01]**
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for indicating aircraft presence **[1, 2006.01]**
- 47/08

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Arrangements of cameras **[1, 2006.01]**