

**CPC****COOPERATIVE PATENT CLASSIFICATION****B64D****EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS IN AIRCRAFT****WARNING**

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

B64D 15/18	covered by	<a href="#">B64D 15/16</a>
B64D 25/102	covered by	<a href="#">B64D 25/10</a>
B64D 25/105	covered by	<a href="#">B64D 25/10</a>
B64D 25/108	covered by	<a href="#">B64D 25/10</a>
B64D 25/11	covered by	<a href="#">B64D 25/10</a>
B64D 25/112	covered by	<a href="#">B64D 25/10</a>
B64D 25/115	covered by	<a href="#">B64D 25/10</a>
B64D 25/118	covered by	<a href="#">B64D 25/10</a>

**B64D 1/00**

**Dropping, ejecting, releasing, or receiving articles, liquids, or the like, in flight** (with respect to weapon sights devices [F41G](#) takes precedence, parachutes per se [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 . Dropping, ejecting, or releasing articles ([jettisonable fuel reservoirs B64D 37/12](#))
- B64D 1/04 . . the articles being explosive, e.g. bombs ([arming or setting bomb fuzes F42C](#))
- B64D 1/06 . . . Bomb releasing; Bombs doors
- B64D 1/08 . . the articles being load-carrying devices
- B64D 1/10 . . . Stowage arrangements for the devices in aircraft
- B64D 1/12 . . . Releasing
- B64D 1/14 . . . Absorbing landing shocks
- B64D 1/16 . Dropping or releasing powdered, liquid, or gaseous matter, e.g. for fire-fighting ([jettisoning fuel B64D 37/26](#))
- B64D 1/18 . . by spraying, e.g. insecticides ([spraying apparatus per se B05B](#))
- B64D 1/20 . . for sky-writing
- B64D 1/22 . Taking-up articles from earth's surface

**B64D 3/00**

**Aircraft adaptations to facilitate towing or being towed** ([B64D 39/00](#) takes precedence; ground installations for launching or towing aircraft [B64F](#); towing ropes per se [D07B](#))

- B64D 3/02 . for towing targets ([towed targets per se F41J](#))

**B64D 5/00**

**Aircraft transported by aircraft, e.g. for release or reberthing during flight** (flying units formed by separate aircraft [B64C 37/02](#))

<b>B64D 7/00</b>	<b>Arrangements of military equipment, e.g. armaments, armament accessories, or military shielding, in aircraft; Adaptations of armament mountings for aircraft</b> (dropping bombs or the like <a href="#">B64D 1/00</a> ; armaments or mountings therefor per se <a href="#">F41</a> )
B64D 7/02	<ul style="list-style-type: none"> <li>the armaments being firearms</li> </ul>
B64D 7/04	<ul style="list-style-type: none"> <li>fixedly mounted</li> </ul>
B64D 7/06	<ul style="list-style-type: none"> <li>movably mounted</li> </ul>
B64D 7/08	<ul style="list-style-type: none"> <li>Arrangements of rocket launchers {or releasing means} (rocket launchers per se, e.g. rocket pods, <a href="#">F41F 3/06</a>)</li> </ul>
<b>B64D 9/00</b>	<b>Equipment for handling freight; Equipment for facilitating passenger embarkation or the like</b> (emergency equipment <a href="#">B64D 17/00</a> , <a href="#">B64D 19/00</a> , <a href="#">B64D 25/00</a> ; structures integral with fuselage to facilitate loading, fuselage floors specially adapted for freight, steps mounted on and retractable within aircraft <a href="#">B64C</a> ; ground installations <a href="#">B64F</a> )
B64D 9/003	<ul style="list-style-type: none"> <li>{Devices for retaining pallets or freight containers (securing freight containers on vehicles <a href="#">B60P 7/00</a>)}</li> </ul>
B64D 2009/006	<ul style="list-style-type: none"> <li>{Rollers or drives for pallets of freight containers; e.g. PDU}</li> </ul>
<b>B64D 10/00</b>	<b>Flying suits</b> (helmets in general <a href="#">A42B 3/00</a> ; breathing helmets <a href="#">A62B 18/00</a> )
B64D 2010/002	<ul style="list-style-type: none"> <li>{Anti-g suits or garments}</li> </ul>
B64D 2010/005	<ul style="list-style-type: none"> <li>{High altitude suits or garments, e.g. partial or total pressure}</li> </ul>
B64D 2010/007	<ul style="list-style-type: none"> <li>{Suits with cooling or heating means}</li> </ul>
<b>B64D 11/00</b>	<b>Passenger or crew accommodation; Flight-deck installations not otherwise provided for</b>
B64D 11/0007	<ul style="list-style-type: none"> <li>{Devices specially adapted for food or beverage distribution services}</li> </ul>
B64D 11/0015	<ul style="list-style-type: none"> <li>{Arrangements for entertainment or communications, e.g. radio, television}</li> </ul> <p><b><u>WARNING</u></b></p> <p>Groups <a href="#">B64D 11/00151</a> - <a href="#">B64D 11/00155</a> are incomplete pending reclassification of documents from group <a href="#">B64D 11/0015</a>.</p> <p>Until reclassification is complete, groups <a href="#">B64D 11/00151</a> - <a href="#">B64D 11/00155</a> and <a href="#">B64D 11/0015</a> should be considered in order to perform a complete search.</p>
B64D 11/00151	<ul style="list-style-type: none"> <li>{Permanently mounted seat back monitors}</li> </ul>
B64D 11/00152	<ul style="list-style-type: none"> <li>{Seat back fixtures for removable monitors, e.g. tablet computers}</li> </ul>
B64D 11/00153	<ul style="list-style-type: none"> <li>{Monitors mounted on or in the seat other than the seat back}</li> </ul>
B64D 11/00154	<ul style="list-style-type: none"> <li>{Loudspeakers mounted in the seat back}</li> </ul>
B64D 11/00155	<ul style="list-style-type: none"> <li>{Individual entertainment or communication system remote controls therefor, located in or connected to seat components, e.g. to seat back or arm rest}</li> </ul>
B64D 11/0023	<ul style="list-style-type: none"> <li>{Movable or removable cabin dividers, e.g. for class separation (<a href="#">bulkheads B64C 1/10</a>)}</li> </ul>
B64D 11/003	<ul style="list-style-type: none"> <li>{Stowage devices for passengers' personal luggage}</li> </ul>
B64D 2011/0038	<ul style="list-style-type: none"> <li>{Illumination systems for cabins as a whole}</li> </ul>

- B64D 2011/0046 . {Modular or preassembled units for creating cabin interior structures}
- B64D 2011/0053 . {Cabin passenger reading lights}
- B64D 2011/0061 . {Windows displaying outside view, artificially generated}
- B64D 2011/0069 . {Rest berths, beds or the like}
- B64D 2011/0076 . . {for crew members, e.g. for sleeping during flight}
- B64D 2011/0084 . . {Bed units for passengers attached to the ceiling of the fuselage}
- B64D 2011/0092 . . {Arrangements for mounting stretchers in aircraft cabins}
- B64D 11/02 . Toilet fittings (of general application [A47K](#))
- B64D 11/04 . Galleys
- B64D 11/06 . {Arrangements of seats, or adaptations or details specially adapted for aircraft seats (crew seat constructions for emergency purposes [B64D 25/04](#))}

**WARNING**

Groups [B64D 11/0601](#) - [B64D 11/0698](#) are incomplete pending reclassification of documents from group [B64D 11/06](#).

Until reclassification is complete, groups [B64D 11/0601](#) - [B64D 11/0698](#) and [B64D 11/06](#) should be considered in order to perform a complete search.

- B64D 11/0601 . . {Arrangement of seats for non-standard seating layouts, e.g. seats staggered horizontally or vertically, arranged in an angled or fishbone layout, or facing in other directions than the direction of flight}
- B64D 11/0602 . . {Seat modules, i.e. seat systems including furniture separate from the seat itself}
- B64D 11/0604 . . . {including a bed, e.g. cocoon type passenger seat modules}
- B64D 11/0605 . . . {including tables or desks}
- B64D 11/0606 . . {with privacy shells, screens, separators or the like (class dividers [B64D 11/0023](#))}
- B64D 11/0607 . . {with devices specially adapted for exercising during travel; with devices specially adapted to prevent thrombosis}
- B64D 11/0611 . . {with means for holding the passenger in a standing position}
- B64D 11/0612 . . {specially adapted for children}
- B64D 11/0616 . . {with ejection means}
- B64D 11/0619 . . {with energy absorbing means specially adapted for mitigating impact loads for passenger seats, e.g. at a crash}
- B64D 11/062 . . {Belts or other passenger restraint means for passenger seats}
- B64D 11/06205 . . . {Arrangements of airbags}
- B64D 11/0621 . . . . {Airbag initiation or activation means}
- B64D 11/0624 . . {Arrangements of electrical connectors, e.g. for earphone, internet or electric supply}
- B64D 11/0626 . . {with individual temperature or ventilation control}
- B64D 11/0627 . . {Seats combined with storage means}
- B64D 11/0629 . . . {the storage means being specially adapted for emergency equipment}

**WARNING**

B64D 11/0629

(continued)

Groups [B64D 11/0631](#) - [B64D 11/0633](#) is/are incomplete pending reclassification of documents from group [B64D 11/0629](#).

Until reclassification is complete, groups [B64D 11/0631](#) - [B64D 11/0633](#) and [B64D 11/0629](#) should be considered in order to perform a complete search.

- B64D 11/0631 . . . . {for life vests}
- B64D 11/0632 . . . . {for breathing apparatus}
- B64D 11/0633 . . . . {for devices other than life vests and intended for external use, e.g. parachutes or life rafts}
- B64D 11/0636 . . . {Personal storage means or waste disposal bags}
- B64D 11/0638 . . {with foldable tables, trays or cup holders}
- B64D 11/0639 . . {with features for adjustment or converting of seats}
- B64D 11/06395 . . . {characterised by the arrangement of electric motors for adjustment}
- B64D 11/064 . . . {Adjustable inclination or position of seats}
- B64D 11/0641 . . . {Seats convertible into beds}
- B64D 11/0642 . . . {Adjustable headrests}
- B64D 11/0643 . . . {Adjustable foot or leg rests}
- B64D 11/0644 . . . {Adjustable arm rests}
- B64D 11/0646 . . {Seats characterised by special features of stationary arms, foot or head rests}
- B64D 11/0647 . . {Seats characterised by special upholstery or cushioning features}
- B64D 11/0648 . . {Lower frame constructions}
- B64D 11/0649 . . {Seats characterised by special features for reducing weight}
- B64D 11/0689 . . {specially adapted for pilots}
- B64D 11/0691 . . {specially adapted for cabin crew}
- B64D 11/0693 . . {Width modification of seat assemblies, e.g. for class modification}
- B64D 11/0696 . . {Means for fastening seats to floors, e.g. to floor rails}
- B64D 11/0697 . . {Seats suspended from aircraft ceiling}
- B64D 11/0698 . . {Seats suspended from aircraft walls}

**B64D 13/00**

**Arrangements or adaptations of air-treatment apparatus for aircraft crew or passenger, or freight space; {or structural parts of the aircraft}** (treatment rooms with artificial climate for medical purposes [A61G 10/02](#); respiratory apparatus in general [A62B](#); for for vehicles in general [B60H](#))

- B64D 2013/003 . {Cabin ventilation nozzles}
- B64D 13/006 . {the air being used to cool structural parts of the aircraft}
- B64D 13/02 . the air being pressurised
- B64D 13/04 . . Automatic control of pressure
- B64D 13/06 . the air being conditioned ([pressurising B64D 13/02](#))
- B64D 2013/0603 . . {Environmental Control Systems}
- B64D 2013/0607 . . . {providing hot air or liquid for deicing aircraft parts, e.g. aerodynamic surfaces or windows}
- B64D 2013/0611 . . . {combined with auxiliary power units (APU's)}

B64D 2013/0614	. . . {with subsystems for cooling avionics}
B64D 2013/0618	. . . {with arrangements for reducing or managing bleed air, using another air source, e.g. ram air}
B64D 2013/0622	. . . {used in combination with boundary layer control systems}
B64D 2013/0625	. . . {comprising means for distribution effusion of conditioned air in the cabin}
B64D 2013/0629	. . . {with subsystems for cooling food, catering or special loads}
B64D 2013/0633	. . . {including chemical reaction-based thermal management systems}
B64D 2013/0637	. . . {with CO <sub>2</sub> removers}
B64D 2013/064	. . . {comprising more than one system, e.g. dual systems}
B64D 2013/0644	. . . {including electric motors or generators}
B64D 2013/0648	. . . {with energy recovery means, e.g. using turbines}
B64D 2013/0651	. . . {comprising filters, e.g. dust filters}
B64D 2013/0655	. . . {with zone or personal climate controls}
B64D 2013/0659	. . . {comprising provisions for cooling fuel systems}
B64D 2013/0662	. . . {with humidity control}
B64D 2013/0666	. . . {with means for preventing icing within the ECS components}
B64D 2013/067	. . . {with air ionizers}
B64D 2013/0674	. . . {comprising liquid subsystems}
B64D 2013/0677	. . . {comprising on board oxygen generator systems}
B64D 2013/0681	. . . {with oxygen control}
B64D 2013/0685	. . . {with ozone control}
B64D 2013/0688	. . . {with means for recirculating cabin air}
B64D 2013/0692	. . . {with special provisions against smoke from cigarettes}
B64D 2013/0696	. . . {with provisions for starting power plants}
B64D 13/08	. . the air being heated or cooled

**B64D 15/00** **De-icing or preventing icing on exterior surfaces of aircraft** (motor vehicles specially adapted for carrying de-icing equipment [B60P](#); {Ground-installations for de-icing aircraft [B64F 5/0036](#)})

B64D 15/02	. by ducted hot gas or liquid
B64D 15/04	. . Hot gas application
B64D 15/06	. . Liquid application (in general <a href="#">B05</a> )
B64D 15/08	. . . exuded from surface
B64D 15/10	. . . sprayed over surface
B64D 15/12	. by electric heating (electric heating elements in general <a href="#">H05B</a> )
B64D 15/14	. . controlled cyclically along length of surface
B64D 15/16	. by mechanical means
B64D 15/163	. . {using electro-impulsive devices}
B64D 15/166	. . {using pneumatic boots}
B64D 15/20	. Means for detecting icing or initiating de-icing
B64D 15/22	. . Automatic initiation by icing detector

**B64D 17/00****Parachutes** (non canopied parachutes [B64D 19/00](#))

B64D 17/02

- Canopy arrangement or construction

**NOTE**[B64D 17/025](#) takes precedence over [B64D 17/04](#) - [B64D 17/18](#)

B64D 17/025

- • {for gliding chutes}

B64D 17/04

- • formed with two or more canopies arranged about a common axis

B64D 17/06

- • formed with two or more canopies arranged in a cluster

B64D 17/08

- • Secondary or shock-absorbing canopies attached to load line

B64D 17/10

- • Ribbon construction or the like

B64D 17/12

- • constructed to provide variable or non-uniform porosity over area of canopy

B64D 17/14

- • with skirt or air-deflecting panels

B64D 17/16

- • • secured to hem of main canopy

B64D 17/18

- • Vent arrangement or construction

B64D 17/20

- • • variable in area

B64D 17/22

- Load suspension

B64D 17/24

- • Rigging lines

B64D 17/26

- • • attached to hem of canopy

B64D 17/28

- • • attached to apex of canopy

B64D 17/30

- • Harnesses ([harnesses per se A62B](#))

B64D 17/32

- • • Construction of quick-release box

B64D 17/34

- • adapted to control direction or rate of descent

B64D 17/343

- • • {by reefing means}

B64D 17/346

- • • {by anti-squid lines}

B64D 17/36

- • incorporating friction devices or frangible connections to reduce shock loading of canopy {([B64D 17/343](#), [B64D 17/346](#) take precedence)}

B64D 17/38

- • Releasable fastening devices between parachute and load or pack

B64D 17/383

- • • {Cargo release hooks}

B64D 17/386

- • • {Devices adapted to cut lines or straps}

B64D 17/40

- Packs

B64D 17/42

- • rigid

B64D 17/44

- • • forming part of load

B64D 17/46

- • Closing means

B64D 17/48

- • with separate pack for extractor of auxiliary parachute

B64D 17/50

- • formed with separate compartments for main canopy, rigging lines, or auxiliary parachute

B64D 17/52

- • Opening, e.g. manual

B64D 17/54

- • • automatic

B64D 17/56

- • • • responsive to barometric pressure

B64D 17/58

- • • • responsive to time-delay mechanism

B64D 17/60	<ul style="list-style-type: none"> <li>by static line</li> </ul>
B64D 17/62	<ul style="list-style-type: none"> <li>Deployment</li> </ul>
B64D 17/64	<ul style="list-style-type: none"> <li>by extractor parachute</li> </ul>
B64D 17/66	<ul style="list-style-type: none"> <li>attached to hem of main canopy</li> </ul>
B64D 17/68	<ul style="list-style-type: none"> <li>attached to apex of main canopy</li> </ul>
B64D 17/70	<ul style="list-style-type: none"> <li>by springs</li> </ul>
B64D 17/72	<ul style="list-style-type: none"> <li>by explosive or inflatable means</li> </ul>
B64D 17/725	<ul style="list-style-type: none"> <li>{by explosive means}</li> </ul>
B64D 17/74	<ul style="list-style-type: none"> <li>Sequential deployment of a plurality of canopies</li> </ul>
B64D 17/76	<ul style="list-style-type: none"> <li>facilitated by method of folding or packing</li> </ul>
B64D 17/78	<ul style="list-style-type: none"> <li>in association with other load-retarding apparatus</li> </ul>
B64D 17/80	<ul style="list-style-type: none"> <li>in association with aircraft, e.g. for braking thereof</li> </ul>
<b>B64D 19/00</b>	<b>Non-canopied parachutes</b>
B64D 19/02	<ul style="list-style-type: none"> <li>Rotary-wing parachutes</li> </ul>
<b>B64D 21/00</b>	<b>Testing of parachutes</b>
<b>B64D 23/00</b>	<b>Training of parachutists</b>
<b>B64D 25/00</b>	<b>Emergency apparatus or devices, not otherwise provided for</b> ( <a href="#">parachutes B64D 17/00</a> , <a href="#">B64D 19/00</a> ; jettisoning of fuel tanks or fuel <a href="#">per se B64D 37/00</a> ; {specially adapted for protection against criminal attack, e.g. anti-hijacking systems <a href="#">B64D 45/0015</a> } ; safety belts or body harnesses in general <a href="#">A62B 35/00</a> ; safety belts or body harnesses for land vehicles <a href="#">B60R 22/00</a> ; jettisonable parts of fuselage facilitating emergency escape <a href="#">B64C</a> )
B64D 25/02	<ul style="list-style-type: none"> <li>Supports or holding means for living bodies</li> </ul>
B64D 25/04	<ul style="list-style-type: none"> <li>Seat modifications</li> </ul>
B64D 25/06	<ul style="list-style-type: none"> <li>Harnessing</li> </ul>
B64D 25/08	<ul style="list-style-type: none"> <li>Ejecting or escaping means (<a href="#">escape apertures B64C</a>)</li> </ul>
B64D 25/10	<ul style="list-style-type: none"> <li>Ejector seats</li> </ul>
B64D 25/12	<ul style="list-style-type: none"> <li>Ejectable capsules</li> </ul>
B64D 25/14	<ul style="list-style-type: none"> <li>Inflatable escape chutes</li> </ul>
B64D 25/16	<ul style="list-style-type: none"> <li>Dinghy stowage</li> </ul>
B64D 25/18	<ul style="list-style-type: none"> <li>Flotation gear (<a href="#">aircraft alighting gear B64C</a>)</li> </ul>
B64D 25/20	<ul style="list-style-type: none"> <li>Releasing of crash position indicators</li> </ul>
<b>B64D 27/00</b>	<b>Arrangement or mounting of power plant in aircraft; Aircraft characterised thereby</b> ( <a href="#">attitude, flight direction, or altitude control of aircraft by jet reaction B64C</a> )
B64D 2027/005	<ul style="list-style-type: none"> <li>{<a href="#">Aircraft with an unducted turbofan comprising contra-rotating rotors, e.g. contra-rotating open rotors [CROR]</a>}</li> </ul>
B64D 27/02	<ul style="list-style-type: none"> <li>Aircraft characterised by the type or position of power plant (<a href="#">fuselages or wings adapted for mounting power plant B64C</a>)</li> </ul>
B64D 27/023	<ul style="list-style-type: none"> <li>{<a href="#">of rocket type e.g. for assisting taking-off or braking</a>}</li> </ul>



- B64D 2027/026
  - . . {comprising different types of power plants, e.g. combination of an electric motor and a gas-turbines}
- B64D 27/04
  - . . of piston type
- B64D 27/06
  - . . . within or attached to wing
- B64D 27/08
  - . . . within or attached to fuselage
- B64D 27/10
  - . . of gas-turbine type ([B64D 27/16](#) takes precedence)
- B64D 27/12
  - . . . within or attached to wing
- B64D 27/14
  - . . . within or attached to fuselage
- B64D 27/16
  - . . of jet type
- B64D 27/18
  - . . . within or attached to wing
- B64D 27/20
  - . . . within or attached to fuselage
- B64D 27/22
  - . . using atomic energy
- B64D 27/24
  - . . using steam, electricity, or spring force ([B64D 27/16](#) takes precedence)
- B64D 27/26
  - . Aircraft characterised by construction of power-plant mounting
- B64D 2027/262
  - . . {Engine support arrangements or elements}
- B64D 2027/264
  - . . . {comprising box like supporting frames}
- B64D 2027/266
  - . . . {comprising suspension arrangements for supporting vertical loads}
- B64D 2027/268
  - . . . {comprising thrust links}
  
- B64D 29/00**
**Power-plant nacelles, fairings, or cowlings** ([nacelles not otherwise provided for B64C](#))
  - B64D 29/02
    - . associated with wings ([wings adapted for mounting power plant B64C](#))
  - B64D 29/04
    - . associated with fuselages
  - B64D 29/06
    - . Attaching of nacelles, fairings or cowlings
  - B64D 29/08
    - . Inspection panels for power plants
  
- B64D 31/00**
**Power plant control; Arrangement thereof** ([F02](#) takes precedence) [flying controls B64C](#))
  - B64D 31/02
    - . Initiating means
  - B64D 31/04
    - . . actuated personally
  - B64D 31/06
    - . . actuated automatically
  - B64D 31/08
    - . . . for keeping cruising speed constant ([conjoint control of power plant and propeller B64C](#))
  - B64D 31/10
    - . . . for preventing asymmetric thrust upon failure of one power plant
  - B64D 31/12
    - . . . for equalising or synchronising power plants
  - B64D 31/14
    - . Transmitting means between initiating means and power plants
  
- B64D 33/00**
**Arrangements in aircraft of power plant parts or auxiliaries not otherwise provided for**
  - B64D 33/02
    - . of combustion air intakes ([air intakes for gas-turbine plants or jet-propulsion plants per se F02C 7/04](#); [air intakes for combustion engines in general F02M 35/00](#))
  - B64D 2033/0206
    - . . {comprising noise reduction means, e.g. acoustic liners}



- B64D 2033/0213 . . {specially adapted for auxiliary power units (APU's)}
- B64D 2033/022 . . {comprising bird or foreign object protections}
- B64D 2033/0226 . . {comprising boundary layer control means}
- B64D 2033/0233 . . {comprising de-icing means}
- B64D 2033/024 . . {comprising cooling means}
- B64D 2033/0246 . . {comprising particle separators}
- B64D 2033/0253 . . {specially adapted for particular type of aircraft}
- B64D 2033/026 . . . {for supersonic or hypersonic aircraft}
- B64D 2033/0266 . . {specially adapted for particular type of power plants}
- B64D 2033/0273 . . . {for jet engines}
- B64D 2033/028 . . . {for piston engines}
- B64D 2033/0286 . . . {for turbofan engines}
- B64D 2033/0293 . . . {for turboprop engines}
- B64D 33/04 . of exhaust outlets or jet pipes (exhaust outlets for combustion engines in general [F01N](#); jet pipes or nozzles for jet-propulsion plants per se [F02K](#); plants characterised by the form or arrangement of the jet pipe or nozzle [F02K](#) {attitude, flight direction, or altitude control by jet reaction [B64C](#)})
- B64D 2033/045 . . {comprising infrared suppressors}
- B64D 33/06 . . Silencing exhaust or propulsion jets (ground installations [B64F](#))
- B64D 33/08 . of power plant cooling systems (cooling of internal-combustion engines per se [F01P](#); cooling of gas-turbine plants or jet-propulsion plants per se [F02C](#), [F02K](#))
- B64D 33/10 . . Radiator arrangement
- B64D 33/12 . . . of retractable type
  
- B64D 35/00** **Transmitting power from power plant to propellers or rotors; Arrangements of transmissions** (propellers or rotors per se, helicopter transmissions [B64C](#))
- B64D 35/02 . characterised by the type of power plant
- B64D 35/04 . characterised by the transmission driving a plurality of propellers or rotors
- B64D 35/06 . . the propellers or rotors being counter-rotating
- B64D 35/08 . characterised by the transmission being driven by a plurality of power plants
  
- B64D 37/00** **Arrangements in connection with fuel supply for power plant** (refuelling during flight [B64D 39/00](#))
- B64D 37/005 . {Accessories not provided for in the groups [B64D 37/02](#) to [B64D 37/28](#)}
- B64D 37/02 . Tanks (tanks constructed integrally with aircraft wings [B64C](#); shape or construction of tanks per se [B65D](#))
- B64D 37/04 . . Arrangement thereof in or on aircraft
- B64D 37/06 . . Constructional adaptations thereof
- B64D 37/08 . . . Internal partitioning
- B64D 37/10 . . . to facilitate fuel pressurisation
- B64D 37/12 . . . jettisonable
- B64D 37/14 . . Filling or emptying (transferring fuels to adjust aircraft trim [B64C](#))
- B64D 37/16 . . . Filling systems (ground installations for fuelling aircraft [B64F](#))

B64D 37/18	• • • • Conditioning fuel during filling
B64D 37/20	• • • Emptying systems
B64D 37/22	• • • • facilitating emptying in any position of tank
B64D 37/24	• • • • using gas pressure
B64D 37/26	• • • • Jettisoning of fuel
B64D 37/28	• • • • Control thereof
B64D 37/30	• Fuel systems for specific fuels
B64D 37/32	• Safety measures not otherwise provided for, e.g. preventing explosive conditions ( <a href="#">extinguishing or preventing fires in aircraft A62C</a> )
B64D 2037/325	• • {Fuel tanks with provisions for reduction hydraulic ram shocks due to projectile impacts}
B64D 37/34	• Conditioning fuel, e.g. heating ( <a href="#">during filling B64D 37/18</a> )
<b>B64D 39/00</b>	<b>Refuelling during flight</b> ( <a href="#">filling or emptying fuel tanks B64D 37/14</a> )
B64D 39/02	• Means for paying-in or out hose
B64D 39/04	• Adaptations of hose construction ( <a href="#">pipes in general F16L</a> )
B64D 39/06	• Connecting hose to aircraft; Disconnecting hose therefrom
<b>B64D 41/00</b>	<b>Power installations for auxiliary purposes</b>
B64D 2041/002	• {Mounting arrangements for auxiliary power units (APU's)}
B64D 2041/005	• {Fuel cells}
B64D 41/007	• {Ram air turbines}
<b>B64D 43/00</b>	<b>Arrangements or adaptations of instruments</b> ( <a href="#">arrangements of cameras B64D 47/08</a> ; <a href="#">aeronautical measuring instruments per se G01C</a> )
B64D 43/02	• for indicating aircraft speed or stalling conditions
<b>B64D 45/00</b>	<b>Aircraft indicators or protectors not otherwise provided for</b> ( <a href="#">camouflage F41H 3/00</a> )
B64D 45/0005	• {Devices specially adapted to indicate the position of a movable element of the aircraft, e.g. landing gear}
B64D 2045/001	• • {for indicating symmetry of flaps deflection}
B64D 45/0015	• {Devices specially adapted for the protection against criminal attack, e.g. anti-hijacking systems}
B64D 2045/002	• • {by disabling or restraining attackers}
B64D 2045/0025	• • • {by spraying gases in cabins ,or by shooting darts with anesthetic effects}
B64D 2045/003	• • {by monitoring cabins}
B64D 2045/0035	• • • {using cameras}
B64D 2045/004	• • • {detecting passenger or pilot behaviors by sensors, e.g. biometrics}
B64D 2045/0045	• • {by communicating emergency situations to ground control, or between crew members}
B64D 2045/005	• • {by protecting cabin or luggage from bombs}
B64D 2045/0055	• • {by overriding pilot's controls, or by directing aircraft from ground control to avoid certain paths or zones}

B64D 2045/006	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>{by avoiding the use of electronic equipment during flight, e.g. of mobile phones or laptops}</li> </ul> </li> </ul>
B64D 2045/0065	<ul style="list-style-type: none"> <li>{Black boxes, devices automatically broadcasting distress signals}</li> </ul>
B64D 2045/007	<ul style="list-style-type: none"> <li>{Indicators or signs in the cabin, e.g. exit signs or seat numbering}</li> </ul>
B64D 2045/0075	<ul style="list-style-type: none"> <li>{Adaptations for use of electronic flight bags in aircraft; Supports therefor in the cockpit}</li> </ul>
B64D 2045/008	<ul style="list-style-type: none"> <li>{Devices for detecting or indicating hard landing}</li> </ul>
B64D 2045/0085	<ul style="list-style-type: none"> <li>{Devices for aircraft health monitoring, e.g. monitoring flutter or vibration}</li> </ul>
B64D 2045/009	<ul style="list-style-type: none"> <li>{Fire detection or protection; Erosion protection, e.g. from airborne particles}</li> </ul>
B64D 2045/0095	<ul style="list-style-type: none"> <li>{Devices specially adapted to avoid bird strike}</li> </ul>
B64D 45/02	<ul style="list-style-type: none"> <li>Lightning protectors; Static dischargers (in general <a href="#">H01T</a>)</li> </ul>
B64D 45/04	<ul style="list-style-type: none"> <li>Landing aids; Safety measures to prevent collision with earth's surface</li> </ul>
B64D 45/06	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>mechanical</li> </ul> </li> </ul>
B64D 45/08	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>optical</li> </ul> </li> </ul>
<b>B64D 47/00</b>	<b>Equipment not otherwise provided for</b>
B64D 47/02	<ul style="list-style-type: none"> <li>Arrangements or adaptations of signal or lighting devices</li> </ul>
B64D 47/04	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>the lighting devices being primarily intended to illuminate the way ahead</li> </ul> </li> </ul>
B64D 47/06	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>for indicating aircraft presence</li> </ul> </li> </ul>
B64D 47/08	<ul style="list-style-type: none"> <li>Arrangements of cameras</li> </ul>
<b>B64D 2201/00</b>	<b>Airbags mounted in aircraft for any use</b>
<b>B64D 2203/00</b>	<b>Aircraft or airfield lights using LEDs</b>
<b>B64D 2205/00</b>	<b>Aircraft with means for ground manoeuvring, such as taxiing, using an auxiliary thrust system, e.g. jet-engines, propellers or compressed air</b>
<b>B64D 2211/00</b>	<b>Arrangements of solar panels on aircraft</b>
<b>B64D 2221/00</b>	<b>Electric power distribution systems onboard aircraft</b>
<b>B64D 2231/00</b>	<b>Emergency oxygen systems</b>
B64D 2231/02	<ul style="list-style-type: none"> <li>Supply or distribution systems</li> </ul>
B64D 2231/025	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Oxygen masks; Mask storages (seats combined with storage means, said storage means being specially adapted for emergency equipment <a href="#">B64D 11/0629</a>); Features related to mask deployment</li> </ul> </li> </ul>
<b>B64D 2241/00</b>	<b>NACA type air intakes</b>
<b>B64D 2700/00</b>	<b>** to be decided **</b>
B64D 2700/62	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>** to be decided **</li> </ul> </li> </ul>
B64D 2700/62008	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Aircraft equipment</li> </ul> </li> </ul>
B64D 2700/62017	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Respiratory apparatus for high altitude</li> </ul> </li> </ul> </li> </ul>
B64D 2700/62026	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>Pressurised cabins</li> </ul> </li> </ul> </li> </ul>

B64D 2700/62035	. . . . .	Pressure control valves
B64D 2700/62043	. . .	Indicators; Protective devices
B64D 2700/62052	. . . . .	De-icing or preventing icing
B64D 2700/62061	. . . . .	of structural elements, e.g. fuselage, wings and the like
B64D 2700/6207	. . . . .	by mechanical means
B64D 2700/62078	. . . . .	by electric heating
B64D 2700/62087	. . . . .	by ducted exhaust gas
B64D 2700/62096	. . . . .	of propellers
B64D 2700/62105	. . . . .	by mechanical means
B64D 2700/62114	. . . . .	by electric heating
B64D 2700/62122	. . . . .	by ducted exhaust gas
B64D 2700/62131	. . . . .	of windows or air intakes
B64D 2700/6214	. . . . .	by mechanical means
B64D 2700/62149	. . . . .	by electric heating
B64D 2700/62157	. . . . .	by ducted exhaust gas
B64D 2700/62166	. . .	Mounting of instruments
B64D 2700/62175	. .	Dashboards; Radar antennae; Chart tables
B64D 2700/62184	. .	Measuring instruments
B64D 2700/62192	. . .	not using electrical means
B64D 2700/62201	. . . . .	Turbulence detectors not using radar signals
B64D 2700/6221	. . .	using electrical means
B64D 2700/62219	. . . . .	Electric safety devices
B64D 2700/62228	. . . . .	Electric compensation or correction devices
B64D 2700/62236	. . . . .	Electrical circuits for acceleration indicators
B64D 2700/62245	. . . . .	Electric circuits for rate of change indicators
B64D 2700/62254	. . . . .	Airspeed indicators
B64D 2700/62263	. . . . .	Devices indicating or eliminating decrease of the airspeed
B64D 2700/62271	. . . . .	Roll, pitch or yaw indicators
B64D 2700/6228	. . . . .	Airflow direction indicators
B64D 2700/62289	. . .	Flight recorders, e.g. black boxes
B64D 2700/62298	. .	Weight and center of gravity indicators
B64D 2700/62307	. . .	Tanks
B64D 2700/62315	. .	Tanks or accessories
B64D 2700/62324	. . .	Manufacturing and materials
B64D 2700/62333	. . . . .	Special panels
B64D 2700/62342	. . . . .	Flexible or foldable panels
B64D 2700/6235	. . . . .	Self-sealing or double panels; Tanks suspended elastically
B64D 2700/62359	. . . . .	Thermally insulated walls
B64D 2700/62368	. . .	Fluid level indicators
B64D 2700/62377	. . .	Accessories, e.g. packs, floats, valves

- B64D 2700/62385 . . Mounting of tanks; Supporting devices
- B64D 2700/62394 . . . Auxiliary tanks; Tanks convertible into floating devices
- B64D 2700/62403 . . . Wing parts used as fuel tanks
- B64D 2700/62412 . . Emptying or filling of tanks
- B64D 2700/62421 . . . Emptying devices
- B64D 2700/62429 . . . . Flow lines; Couplings
- B64D 2700/62438 . . Safety devices for tanks
- B64D 2700/62447 . . . Fire preventing devices
- B64D 2700/62456 . . . . Explosion preventing devices
- B64D 2700/62464 . . . Devices for degassing fuel or for controlling boiloff
- B64D 2700/62473 . . . Parachutes
- B64D 2700/62482 . . Parts or accessories
- B64D 2700/62491 . . . Construction of canopies
- B64D 2700/625 . . . Load suspension; Harnesses or quick release boxes
- B64D 2700/62508 . . Disposition or mounting in aircraft
- B64D 2700/62517 . . Manufacturing or packing
- B64D 2700/62526 . . . Parachutes with a rigid armature
- B64D 2700/62535 . . . Means for deflating the parachute after use
- B64D 2700/62543 . . . Means to open or to close the parachute pack
- B64D 2700/62552 . . . Devices to open or to drive the parachute during fall
- B64D 2700/62561 . . . . Devices to control the time or rate of the opening; Deceleration devices
- B64D 2700/6257 . . . . Opening induced by means other than airstream
- B64D 2700/62578 . . Special uses of parachutes or similar devices
- B64D 2700/62587 . . Other emergency devices, e.g. balloons, parachutes with propellers
- B64D 2700/62596 . . . Dropping, ejecting, releasing or receiving articles during flight
- B64D 2700/62605 . . Dropping, ejecting or releasing articles
- B64D 2700/62614 . . . the article being explosive, e.g. bombs
- B64D 2700/62622 . . . . equipped with parachutes, rotary wings or rudders
- B64D 2700/62631 . . . Armaments
- B64D 2700/6264 . . Mounting of flame-projectors
- B64D 2700/62649 . . Mounting of firearms
- B64D 2700/62657 . . Devices adapted to shoot through the hollow propeller shaft
- B64D 2700/62666 . . . Means for protecting aircraft against aerial barriers
- B64D 2700/62675 . . . Turrets which can be lowered
- B64D 2700/62684 . . . General disposition of the aircraft in relation to the propulsion means
- B64D 2700/62692 . . Tractive or propulsive propellers
- B64D 2700/62701 . . . operated by hydraulic power
- B64D 2700/6271 . . . operated by electrical power
- B64D 2700/62719 . . . jet-driven

B64D 2700/62728	. . .	Specific for seaplanes or amphibian aircrafts
B64D 2700/62736	. .	jet propulsion
B64D 2700/62745	. . .	combined with propellers
B64D 2700/62754	. . .	combined with jet-deflectors
B64D 2700/62763	. . .	Propulsion or transmission devices
B64D 2700/62771	. .	General arrangements
B64D 2700/6278	. . .	in propeller driven aircraft
B64D 2700/62789	. . . .	In seaplanes or amphibian aircraft
B64D 2700/62798	. . . .	One propeller being driven by several engines
B64D 2700/62807	. . . .	Several non-coaxial propellers driven by only one engine
B64D 2700/62815	. . . .	Double propellers
B64D 2700/62824	. . . . .	co-rotating
B64D 2700/62833	. . . . .	counter-rotating
B64D 2700/62842	. . . . .	driven by only one engine
B64D 2700/6285	. . . . .	driven by several engines
B64D 2700/62859	. . .	in jet propulsion aircraft
B64D 2700/62868	. .	Manufacturing of propellers or propulsive wheels
B64D 2700/62877	. . .	Variable-pitch blades
B64D 2700/62885	. . . .	Torque transmission to the propeller shaft
B64D 2700/62894	. . . . .	Coupling between motor shaft and propeller shaft
B64D 2700/62903	. . . . .	through an overrunning coupling, a friction clutch, an adjustable slipping coupling, a hydraulic coupling or a retarding coupling
B64D 2700/62912	. . . . .	through a device which changes the direction of rotation of the propeller relative to the engine
B64D 2700/62921	. . . . .	Brakes arranged on the propeller shaft
B64D 2700/62929	. . . . .	Lubrication of the transmission
B64D 2700/62938	. . .	Arrangements of propulsion plants
B64D 2700/62947	. . . .	in propeller driven aircraft
B64D 2700/62956	. . . .	in jet propulsion aircraft
B64D 2700/62964	. . . .	Engines ejectable during flight
B64D 2700/62973	. . . .	Heating and cooling devices
B64D 2700/62982	. . . .	Elastic suspension using rubber
B64D 2700/62991	. . .	Devices for braking or boosting aircraft, e.g. auxiliary propeller, rockets, jets, take-off assistance