

**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:

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

- B64D 7/00**      **Arrangements 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 per se [F41](#))
- B64D 7/02      . the armaments being firearms
- B64D 7/04      . . fixedly mounted
- B64D 7/06      . . movably mounted
- B64D 7/08      . Arrangements of rocket launchers {or releasing means} (rocket launchers per se, e.g. rocket pods, [F41F 3/06](#))

- B64D 9/00**      **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 9/003      . {Devices for retaining pallets or freight containers (securing freight containers on vehicles [B60P 7/00](#))}
- B64D 2009/006      . {Rollers or drives for pallets of freight containers; e.g. PDU}

- B64D 10/00**      **{Flying suits (helmets in general [A42B 3/00](#); breathing helmets [A62B 18/00](#))}**
- B64D 2010/002      . {Anti-g suits or garments}
- B64D 2010/005      . {High altitude suits or garments, e.g. partial or total pressure}
- B64D 2010/007      . {Suits with cooling or heating means}

- B64D 11/00**      **Passenger or crew accommodation; Flight-deck installations not otherwise provided for**
- B64D 11/0007      . {Devices specially adapted for food or beverage distribution services}
- B64D 11/0015      . {Arrangements for entertainment or communications, e.g. radio, television}

### **WARNING**

Groups [B64D 11/00151](#) - [B64D 11/00155](#) are incomplete pending reclassification of documents from group [B64D 11/0015](#).

Until reclassification is complete, groups [B64D 11/00151](#) - [B64D 11/00155](#) and [B64D 11/0015](#) should be considered in order to perform a complete search.

- B64D 11/00151      . . {Permanently mounted seat back monitors}
- B64D 11/00152      . . {Seat back fixtures for removable monitors, e.g. tablet computers}
- B64D 11/00153      . . {Monitors mounted on or in the seat other than the seat back}
- B64D 11/00154      . . {Loudspeakers mounted in the seat back}
- B64D 11/00155      . . {Individual entertainment or communication system remote controls therefor, located in or connected to seat components, e.g. to seat back or arm rest}
- B64D 11/0023      . {Movable or removable cabin dividers, e.g. for class separation ([bulkheads B64C 1/10](#))}
- B64D 11/003      . {Stowage devices for passengers' personal luggage}
- B64D 2011/0038      . {Illumination systems for cabins as a whole}

- 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**

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

B64D 11/0629

(continued)

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 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 .... by static line

B64D 17/62	. Deployment
B64D 17/64	.. by extractor parachute
B64D 17/66	... attached to hem of main canopy
B64D 17/68	... attached to apex of main canopy
B64D 17/70	.. by springs
B64D 17/72	.. by explosive or inflatable means
B64D 17/725	... {by explosive means}
B64D 17/74	.. Sequential deployment of a plurality of canopies
B64D 17/76	.. facilitated by method of folding or packing
B64D 17/78	. in association with other load-retarding apparatus
B64D 17/80	. in association with aircraft, e.g. for braking thereof
<b>B64D 19/00</b>	<b>Non-canopied parachutes</b>
B64D 19/02	. Rotary-wing parachutes
<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> (parachutes <a href="#">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	. Supports or holding means for living bodies
B64D 25/04	.. Seat modifications
B64D 25/06	.. Harnessing
B64D 25/08	. Ejecting or escaping means ( <a href="#">escape apertures B64C</a> )
B64D 25/10	.. Ejector seats
B64D 25/12	.. Ejectable capsules
B64D 25/14	.. Inflatable escape chutes
B64D 25/16	.. Dinghy stowage
B64D 25/18	.. Flotation gear ( <a href="#">aircraft alighting gear B64C</a> )
B64D 25/20	.. Releasing of crash position indicators
<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	. {Aircraft with an unducted turbofan comprising contra-rotating rotors, e.g. contra-rotating open rotors [CROR]}
B64D 27/02	. Aircraft characterised by the type or position of power plant ( <a href="#">fuselages or wings adapted for mounting power plant B64C</a> )
B64D 27/023	.. {of rocket type e.g. for assisting taking-off or braking}
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 (extinguishing or preventing fires in aircraft <a href="#">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 (during filling <a href="#">B64D 37/18</a> )
<b>B64D 39/00</b>	<b>Refuelling during flight</b> (filling or emptying fuel tanks <a href="#">B64D 37/14</a> )
B64D 39/02	. Means for paying-in or out hose
B64D 39/04	. Adaptations of hose construction (pipes in general <a href="#">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> (arrangements of cameras <a href="#">B64D 47/08</a> ; aeronautical measuring instruments per se <a href="#">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> (camouflage <a href="#">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	.. {by avoiding the use of electronic equipment during flight, e.g. of mobile phones or laptops}
B64D 2045/0065	. {Black boxes, devices automatically broadcasting distress signals}

B64D 2045/007	. {Indicators or signs in the cabin, e.g. exit signs or seat numbering}
B64D 2045/0075	. {Flight bags, including electronic type flight bags; Supports therefor in the cockpit}
B64D 2045/008	. {Devices for detecting or indicating hard landing}
B64D 2045/0085	. {Devices for aircraft health monitoring, e.g. monitoring flutter or vibration}
B64D 2045/009	. {Fire detection or protection; Erosion protection, e.g. from airborne particles}
B64D 2045/0095	. {Devices specially adapted to avoid bird strike}
B64D 45/02	. Lightning protectors; Static dischargers (in general <a href="#">H01T</a> )
B64D 45/04	. Landing aids; Safety measures to prevent collision with earth's surface
B64D 45/06	.. mechanical
B64D 45/08	.. optical
<b>B64D 47/00</b>	<b>Equipment not otherwise provided for</b>
B64D 47/02	. Arrangements or adaptations of signal or lighting devices
B64D 47/04	.. the lighting devices being primarily intended to illuminate the way ahead
B64D 47/06	.. for indicating aircraft presence
B64D 47/08	. Arrangements of cameras
<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	. Supply or distribution systems
B64D 2231/025	.. 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
<b>B64D 2241/00</b>	<b>NACA type air intakes</b>
<b>B64D 2700/00</b>	<b>** to be decided **</b>
B64D 2700/62	. ** to be decided **
B64D 2700/62008	.. Aircraft equipment
B64D 2700/62017	... Respiratory apparatus for high altitude
B64D 2700/62026	.... Pressurised cabins
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