

**CPC****COOPERATIVE PATENT CLASSIFICATION****B64D****EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWERPLANTS OR PROPULSION TRANSMISSIONS****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 [B64D 15/16](#)[B64D 25/102](#) covered by [B64D 25/10](#)[B64D 25/105](#) covered by [B64D 25/10](#)[B64D 25/108](#) covered by [B64D 25/10](#)[B64D 25/11](#) covered by [B64D 25/10](#)[B64D 25/112](#) covered by [B64D 25/10](#)[B64D 25/115](#) covered by [B64D 25/10](#)[B64D 25/118](#) covered by [B64D 25/10](#)

**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 ( dropping bombs or the like <a href="#">B64D 1/00</a> ; armaments or mountings therefor per se <a href="#">F41</a>)</b>
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, <a href="#">F41F 3/06</a> )
<b>B64D 9/00</b>	<b>Equipment for handling freight; Equipment for facilitating passenger embarkation or the like ( 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>)</b>
B64D 9/003	. { Devices for retaining pallets or freight containers ( securing freight containers on vehicles <a href="#">B60P 7/00</a> )}
B64D 2009/006	. { Rollers or drives for pallets of fright containers; e.g. PDU }
<b>B64D 10/00</b>	{ Flying suits ( helmets in general <a href="#">A42B 3/00</a> ; breathing helmets <a href="#">A62B 18/00</a> )}
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 }
<b>B64D 11/00</b>	<b>Passenger or crew accomodation; Flight-deck installations not otherwise provided for</b>
B64D 11/0007	. { Devices specially adapted for food or beverage distribution services }
B64D 11/0015	. { Arrangements for entertainment or communications, e.g. radio, television }
B64D 11/0023	. { Movable or removable cabin dividers, e.g. for class separation ( bulkheads <a href="#">B64C 1/10</a> )}
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 or adaptations of seats ( seat constructions for emergency purposes [B64D 25/04](#) ; { seat accessories [B60N 3/00](#) } )
- B64D 2011/0603 .. { Details of seats }
- B64D 2011/0606 ... { with inclination or position adjusting mechanisms }
- B64D 2011/061 ... { with airbag storages }
- B64D 2011/0613 ... { with arm rests }
- B64D 2011/0617 ... { arranged for providing alternative seat dispositions, e.g. angled }
- B64D 2011/062 ... { convertible into beds }
- B64D 2011/0624 ... { adapted for children }
- B64D 2011/0627 ... { with energy absorbing means }
- B64D 2011/0631 ... { with ejection means }
- B64D 2011/0634 ... { making use of electric motors }
- B64D 2011/0637 ... { with internet connection, earphone jacks, or electric supply sockets }
- B64D 2011/0641 ... { Seats with means for exercising during travel, e.g. against congestion }
- B64D 2011/0644 ... { with floor attachments }
- B64D 2011/0648 ... { with adjustable foot or leg rests }
- B64D 2011/0651 ... { with individual temperature controls }
- B64D 2011/0655 ... { designed for facilitating manufacturing or for reducing weight }
- B64D 2011/0658 ... { including a bed and entertainment equipments, e.g. cocoon type passenger seat modules }
- B64D 2011/0662 ... { with personal storage means or waste disposal bags }
- B64D 2011/0665 ... { with privacy shells, screens, separators or the like }
- B64D 2011/0668 ... { with belts, or other passenger restraintment, or with headrests }
- B64D 2011/0672 ... { with storage means for life vests, oxygen masks or parachutes }
- B64D 2011/0675 ... { with means for holding the passenger in a standing position }
- B64D 2011/0679 ... { with foldable tables, trays or cup holders }
- B64D 2011/0682 ... { with upholstery or cushioning }
- B64D 2011/0686 ... { with ventilation means }
- B64D 11/0689 .. { specially adapted for pilots }
- 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 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 [B05](#))

B64D 15/08 . . . exuded from surface

B64D 15/10 . . . sprayed over surface

B64D 15/12 . by electric heating ( electric heating elements in general [H05B](#))

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
  
- B64D 19/00 Non-canopied parachutes**
- 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 ( parachutes <a href="#">B64D 17/00</a> , <a href="#">B64D 19/00</a> ; jettisoning of fuel tanks or fuel per se <a href="#">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>)</b>
<a href="#">B64D 25/02</a>	. Supports or holding means for living bodies
<a href="#">B64D 25/04</a>	. . Seat modifications
<a href="#">B64D 25/06</a>	. . Harnessing
<a href="#">B64D 25/08</a>	. Ejecting or escaping means ( <a href="#">escape apertures B64C</a> )
<a href="#">B64D 25/10</a>	. . Ejector seats
<a href="#">B64D 25/12</a>	. . Ejectable capsules
<a href="#">B64D 25/14</a>	. . Inflatable escape chutes
<a href="#">B64D 25/16</a>	. . Dinghy stowage
<a href="#">B64D 25/18</a>	. . Flotation gear ( <a href="#">aircraft alighting gear B64C</a> )
<a href="#">B64D 25/20</a>	. . Releasing of crash position indicators
<b>B64D 27/00</b>	<b>Arrangement or mounting of power plant in aircraft; Aircraft characterised thereby ( attitude, flight direction, or altitude control of aircraft by jet reaction <a href="#">B64C</a>)</b>
<a href="#">B64D 2027/005</a>	. { Aircraft with an unducted turbofan comprising contra-rotating rotors, e.g. contra-rotating open rotors [CROR] }
<a href="#">B64D 27/02</a>	. Aircraft characterised by the type or position of power plant ( <a href="#">fuselages or wings adapted for mounting power plant B64C</a> )
<a href="#">B64D 27/023</a>	. . { of rocket type e.g. for assisting taking-off or braking }
<a href="#">B64D 2027/026</a>	. . { comprising different types of power plants, e.g. combination of an electric motor and a gas-turbines }
<a href="#">B64D 27/04</a>	. . of piston type
<a href="#">B64D 27/06</a>	. . . within or attached to wing
<a href="#">B64D 27/08</a>	. . . within or attached to fuselage
<a href="#">B64D 27/10</a>	. . of gas-turbine type ( <a href="#">B64D 27/16</a> takes precedence )
<a href="#">B64D 27/12</a>	. . . within or attached to wing
<a href="#">B64D 27/14</a>	. . . within or attached to fuselage
<a href="#">B64D 27/16</a>	. . of jet type
<a href="#">B64D 27/18</a>	. . . 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** ( flying controls [B64C](#)) { [F02](#) takes precedence }

- 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](#) , K )
- 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 ( <a href="#">ground installations for fuelling aircraft B64F</a> )
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	..	{ <a href="#">Fuel tanks with provisions for reduction hydraulic ram shocks due to projectile impacts</a> }
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 ( <a href="#">filling or emptying fuel tanks B64D 37/14</a>)</b>
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	.	{ <a href="#">Mounting arrangements for auxiliary power units (APU's)</a> }
B64D 2041/005	.	{ <a href="#">Fuel cells</a> }
B64D 41/007	.	{ <a href="#">Ram air turbines</a> }
<b>B64D 43/00</b>		<b>Arrangements or adaptations of instruments ( <a href="#">arrangements of cameras B64D 47/08</a>; <a href="#">aeronautical measuring instruments per se G01C</a>)</b>
B64D 43/02	.	for indicating aircraft speed or stalling conditions
<b>B64D 45/00</b>		<b>Aircraft indicators or protectors not otherwise provided for ( <a href="#">camouflage F41H 3/00</a>)</b>
B64D 45/0005	.	{ <a href="#">Devices specially adapted to indicate the position of a movable element of the aircraft, e.g. landing gear</a> }
B64D 2045/001	..	{ <a href="#">for indicating symmetry of flaps deflection</a> }
B64D 45/0015	.	{ <a href="#">Devices specially adapted for the protection against criminal attack, e.g. anti-hijacking systems</a> }

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 ( <a href="#">adaptations for seats B64D 2011/0672</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