

# 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>

<b>1/00</b>	<b>Dropping, ejecting, releasing, or receiving articles, liquids, or the like, in flight (with respect to weapon sights devices <a href="#">F41G</a> takes precedence, parachutes per se <a href="#">B64D 17/00</a>; ejectable seats <a href="#">B64D 25/10</a>; ejectable capsules <a href="#">B64D 25/12</a>; refuelling during flight <a href="#">B64D 39/00</a>; launching apparatus for projecting projectiles or missiles <a href="#">F41F 1/00</a>, <a href="#">F41F 7/00</a>; rocket or torpedo launchers <a href="#">F41F 3/00</a>)</b>	<b>7/08</b>	<b>. Arrangements of rocket launchers {or releasing means} (rocket launchers <a href="#">per se</a>, e.g. rocket pods, <a href="#">F41F 3/06</a>)</b>
<b>1/02</b>	<b>. Dropping, ejecting, or releasing articles (jettisonable fuel reservoirs <a href="#">B64D 37/12</a>)</b>	<b>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>
<b>1/04</b>	<b>. . the articles being explosive, e.g. bombs (arming or setting bomb fuzes <a href="#">F42C</a>)</b>	<b>9/003</b>	<b>. {Devices for retaining pallets or freight containers (securing freight containers on vehicles <a href="#">B60P 7/00</a>)}</b>
<b>1/06</b>	<b>. . . Bomb releasing; Bombs doors</b>	<b>2009/006</b>	<b>. {Rollers or drives for pallets of freight containers, e.g. PDU}</b>
<b>1/08</b>	<b>. . the articles being load-carrying devices</b>	<b>10/00</b>	<b>Flying suits (helmets in general <a href="#">A42B 3/00</a>; breathing helmets <a href="#">A62B 18/00</a>)</b>
<b>1/10</b>	<b>. . . Stowage arrangements for the devices in aircraft</b>	<b>2010/002</b>	<b>. {Anti-g suits or garments}</b>
<b>1/12</b>	<b>. . . Releasing</b>	<b>2010/005</b>	<b>. {High altitude suits or garments, e.g. partial or total pressure}</b>
<b>1/14</b>	<b>. . . Absorbing landing shocks</b>	<b>2010/007</b>	<b>. {Suits with cooling or heating means}</b>
<b>1/16</b>	<b>. Dropping or releasing powdered, liquid, or gaseous matter, e.g. for fire-fighting (jettisoning fuel <a href="#">B64D 37/26</a>)</b>	<b>11/00</b>	<b>Passenger or crew accommodation; Flight-deck installations not otherwise provided for</b>
<b>1/18</b>	<b>. . by spraying, e.g. insecticides (spraying apparatus per se <a href="#">B05B</a>)</b>	<b>11/0007</b>	<b>. {Devices specially adapted for food or beverage distribution services}</b>
<b>1/20</b>	<b>. . for sky-writing</b>	<b>11/0015</b>	<b>. {Arrangements for entertainment or communications, e.g. radio, television}</b>
<b>1/22</b>	<b>. Taking-up articles from earth's surface</b>	<b>WARNING</b>	
<b>3/00</b>	<b>Aircraft adaptations to facilitate towing or being towed (<a href="#">B64D 39/00</a> takes precedence)</b>	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> .	
<b>3/02</b>	<b>. for towing targets</b>	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.	
<b>5/00</b>	<b>Aircraft transported by aircraft, e.g. for release or reberthing during flight (flying units formed by separate aircraft <a href="#">B64C 37/02</a>)</b>	<b>11/00151</b>	<b>. . {Permanently mounted seat back monitors}</b>
<b>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>	<b>11/00152</b>	<b>. . {Seat back fixtures for removable monitors, e.g. tablet computers}</b>
<b>7/02</b>	<b>. the armaments being firearms</b>	<b>11/00153</b>	<b>. . {Monitors mounted on or in the seat other than the seat back}</b>
<b>7/04</b>	<b>. . fixedly mounted</b>	<b>11/00154</b>	<b>. . {Loudspeakers mounted in the seat back}</b>
<b>7/06</b>	<b>. . movably mounted</b>		

- 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}
- 11/0023 . {Movable or removable cabin dividers, e.g. for class separation ([bulkheads B64C 1/10](#))}
- 11/003 . {Stowage devices for passengers' personal luggage}
- 2011/0038 . {Illumination systems for cabins as a whole}
- 2011/0046 . {Modular or preassembled units for creating cabin interior structures}
- 2011/0053 . {Cabin passenger reading lights}
- 2011/0061 . {Windows displaying outside view, artificially generated}
- 2011/0069 . {Rest berths, beds or the like}
- 2011/0076 . . {for crew members, e.g. for sleeping during flight}
- 2011/0084 . . {Bed units for passengers attached to the ceiling of the fuselage}
- 2011/0092 . . {Arrangements for mounting stretchers in aircraft cabins}
- 11/02 . Toilet fittings ([of general application A47K](#))
- 11/04 . Galleys
- 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.

- 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}
- 11/0602 . . {Seat modules, i.e. seat systems including furniture separate from the seat itself}
- 11/0604 . . . {including a bed, e.g. cocoon type passenger seat modules}
- 11/0605 . . . {including tables or desks}
- 11/0606 . . {with privacy shells, screens, separators or the like ([class dividers B64D 11/0023](#))}
- 11/0607 . . {with devices specially adapted for exercising during travel; with devices specially adapted to prevent thrombosis}
- 11/0611 . . {with means for holding the passenger in a standing position}
- 11/0612 . . {specially adapted for children}
- 11/0616 . . {with ejection means}
- 11/0619 . . {with energy absorbing means specially adapted for mitigating impact loads for passenger seats, e.g. at a crash}
- 11/062 . . {Belts or other passenger restraint means for passenger seats}
- 11/06205 . . . {Arrangements of airbags}
- 11/0621 . . . . {Airbag initiation or activation means}
- 11/0624 . . {Arrangements of electrical connectors, e.g. for earphone, internet or electric supply}

- 11/0626 . . {with individual temperature or ventilation control}
- 11/0627 . . {Seats combined with storage means}
- 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](#).

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.

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

**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](#))

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

2013/0614	. . . {with subsystems for cooling avionics}	17/06	. . . formed with two or more canopies arranged in a cluster
2013/0618	. . . {with arrangements for reducing or managing bleed air, using another air source, e.g. ram air}	17/08	. . . Secondary or shock-absorbing canopies attached to load line
2013/0622	. . . {used in combination with boundary layer control systems}	17/10	. . . Ribbon construction or the like
2013/0625	. . . {comprising means for distribution effusion of conditioned air in the cabin}	17/12	. . . constructed to provide variable or non-uniform porosity over area of canopy
2013/0629	. . . {with subsystems for cooling food, catering or special loads}	17/14	. . . with skirt or air-deflecting panels
2013/0633	. . . {including chemical reaction-based thermal management systems}	17/16	. . . . secured to hem of main canopy
2013/0637	. . . {with CO <sub>2</sub> removers}	17/18	. . . Vent arrangement or construction
2013/064	. . . {comprising more than one system, e.g. dual systems}	17/20	. . . . variable in area
2013/0644	. . . {including electric motors or generators}	17/22	. . . Load suspension
2013/0648	. . . {with energy recovery means, e.g. using turbines}	17/24	. . . Rigging lines
2013/0651	. . . {comprising filters, e.g. dust filters}	17/26	. . . . attached to hem of canopy
2013/0655	. . . {with zone or personal climate controls}	17/28	. . . . attached to apex of canopy
2013/0659	. . . {comprising provisions for cooling fuel systems}	17/30	. . . Harnesses ( <a href="#">harnesses per se A62B</a> )
2013/0662	. . . {with humidity control}	17/32	. . . . Construction of quick-release box
2013/0666	. . . {with means for preventing icing within the ECS components}	17/34	. . . adapted to control direction or rate of descent
2013/067	. . . {with air ionizers}	17/343	. . . . {by reefing means}
2013/0674	. . . {comprising liquid subsystems}	17/346	. . . . {by anti-squid lines}
2013/0677	. . . {comprising on board oxygen generator systems}	17/36	. . . incorporating friction devices or frangible connections to reduce shock loading of canopy {( <a href="#">B64D 17/343</a> , <a href="#">B64D 17/346</a> take precedence)}
2013/0681	. . . {with oxygen control}	17/38	. . . Releasable fastening devices between parachute and load or pack
2013/0685	. . . {with ozone control}	17/383	. . . . {Cargo release hooks}
2013/0688	. . . {with means for recirculating cabin air}	17/386	. . . . {Devices adapted to cut lines or straps}
2013/0692	. . . {with special provisions against smoke from cigarettes}	17/40	. . . Packs
2013/0696	. . . {with provisions for starting power plants}	17/42	. . . rigid
13/08	. . . the air being heated or cooled	17/44	. . . . forming part of load
<b>15/00</b>	<b>De-icing or preventing icing on exterior surfaces of aircraft (motor vehicles specially adapted for carrying de-icing equipment <a href="#">B60P</a>)</b>	17/46	. . . Closing means
15/02	. . by ducted hot gas or liquid	17/48	. . . with separate pack for extractor of auxiliary parachute
15/04	. . Hot gas application	17/50	. . . formed with separate compartments for main canopy, rigging lines, or auxiliary parachute
15/06	. . Liquid application ( <a href="#">in general B05</a> )	17/52	. . . Opening, e.g. manual
15/08	. . . exuded from surface	17/54	. . . . automatic
15/10	. . . sprayed over surface	17/56	. . . . . responsive to barometric pressure
15/12	. . by electric heating ( <a href="#">electric heating elements in general H05B</a> )	17/58	. . . . . responsive to time-delay mechanism
15/14	. . controlled cyclically along length of surface	17/60	. . . . . by static line
15/16	. . by mechanical means	17/62	. . . Deployment
15/163	. . {using electro-impulsive devices}	17/64	. . . by extractor parachute
15/166	. . {using pneumatic boots}	17/66	. . . . attached to hem of main canopy
15/20	. . Means for detecting icing or initiating de-icing	17/68	. . . . attached to apex of main canopy
15/22	. . Automatic initiation by icing detector	17/70	. . . by springs
<b>17/00</b>	<b>Parachutes (non canopied parachutes <a href="#">B64D 19/00</a>)</b>	17/72	. . . by explosive or inflatable means
17/02	. . Canopy arrangement or construction	17/725	. . . . {by explosive means}
	<b>NOTE</b>	17/74	. . . Sequential deployment of a plurality of canopies
	<a href="#">B64D 17/025</a> takes precedence over <a href="#">B64D 17/04</a> - <a href="#">B64D 17/18</a>	17/76	. . . facilitated by method of folding or packing
17/025	. . {for gliding chutes}	17/78	. . . in association with other load-retarding apparatus
17/04	. . formed with two or more canopies arranged about a common axis	17/80	. . . in association with aircraft, e.g. for braking thereof
		<b>19/00</b>	<b>Non-canopied parachutes</b>
		19/02	. . Rotary-wing parachutes
		<b>21/00</b>	<b>Testing of parachutes</b>
		<b>23/00</b>	<b>Training of parachutists</b>

<b>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> )	<b>31/00</b>	<b>Power plant control; Arrangement thereof</b> ( <a href="#">F02 takes precedence</a> ) flying controls <a href="#">B64C</a> )
25/02	• Supports or holding means for living bodies	31/02	• Initiating means
25/04	• . . Seat modifications	31/04	• . . actuated personally
25/06	• . . Harnessing	31/06	• . . actuated automatically
25/08	• Ejecting or escaping means ( <a href="#">escape apertures B64C</a> )	31/08	• . . . for keeping cruising speed constant ( <a href="#">conjoint control of power plant and propeller B64C</a> )
25/10	• . . Ejector seats	31/10	• . . . for preventing asymmetric thrust upon failure of one power plant
25/12	• . . Ejectable capsules	31/12	• . . . for equalising or synchronising power plants
25/14	• . . Inflatable escape chutes	31/14	• Transmitting means between initiating means and power plants
25/16	• . . Dinghy stowage		
25/18	• . . Flotation gear ( <a href="#">aircraft alighting gear B64C</a> )	<b>33/00</b>	<b>Arrangements in aircraft of power plant parts or auxiliaries not otherwise provided for</b>
25/20	• . . Releasing of crash position indicators	33/02	• of combustion air intakes ( <a href="#">air intakes for gas-turbine plants or jet-propulsion plants per se F02C 7/04</a> ; air intakes for combustion engines in general <a href="#">F02M 35/00</a> )
<b>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> )	2033/0206	• . {comprising noise reduction means, e.g. acoustic liners}
2027/005	• {Aircraft with an unducted turbofan comprising contra-rotating rotors, e.g. contra-rotating open rotors [CROR]}	2033/0213	• . {specially adapted for auxiliary power units (APU's)}
27/02	• Aircraft characterised by the type or position of power plant ( <a href="#">fuselages or wings adapted for mounting power plant B64C</a> )	2033/022	• . {comprising bird or foreign object protections}
27/023	• . {of rocket type, e.g. for assisting taking-off or braking}	2033/0226	• . {comprising boundary layer control means}
2027/026	• . {comprising different types of power plants, e.g. combination of an electric motor and a gas-turbines}	2033/0233	• . {comprising de-icing means}
27/04	• . . of piston type	2033/024	• . {comprising cooling means}
27/06	• . . . within or attached to wing	2033/0246	• . {comprising particle separators}
27/08	• . . . within or attached to fuselage	2033/0253	• . {specially adapted for particular type of aircraft}
27/10	• . . of gas-turbine type ( <a href="#">B64D 27/16 takes precedence</a> )	2033/026	• . . {for supersonic or hypersonic aircraft}
27/12	• . . . within or attached to wing	2033/0266	• . {specially adapted for particular type of power plants}
27/14	• . . . within or attached to fuselage	2033/0273	• . . {for jet engines}
27/16	• . . of jet type	2033/028	• . . {for piston engines}
27/18	• . . . within or attached to wing	2033/0286	• . . {for turbofan engines}
27/20	• . . . within or attached to fuselage	2033/0293	• . . {for turboprop engines}
27/22	• . . using atomic energy	33/04	• of exhaust outlets or jet pipes ( <a href="#">exhaust outlets for combustion engines in general F01N</a> ; jet pipes or nozzles for jet-propulsion plants <a href="#">per se F02K</a> ; plants characterised by the form or arrangement of the jet pipe or nozzle <a href="#">F02K</a> {attitude, flight direction, or altitude control by jet reaction <a href="#">B64C</a> })
27/24	• . . using steam, electricity, or spring force ( <a href="#">B64D 27/16 takes precedence</a> )	2033/045	• . {comprising infrared suppressors}
27/26	• Aircraft characterised by construction of power-plant mounting	33/06	• . {Silencing exhaust or propulsion jets ( <a href="#">ground installations B64F</a> )}
2027/262	• . {Engine support arrangements or elements}	33/08	• of power plant cooling systems ( <a href="#">cooling of internal-combustion engines per se F01P</a> ; cooling of gas-turbine plants or jet-propulsion plants <a href="#">per se F02C, F02K</a> )
2027/264	• . . {comprising box like supporting frames}	33/10	• . Radiator arrangement
2027/266	• . . {comprising suspension arrangements for supporting vertical loads}	33/12	• . . of retractable type
2027/268	• . . {comprising thrust links}	<b>35/00</b>	<b>Transmitting power from power plant to propellers or rotors; Arrangements of transmissions</b> ( <a href="#">propellers or rotors per se</a> , <a href="#">helicopter transmissions B64C</a> )
<b>29/00</b>	<b>Power-plant nacelles, fairings, or cowlings</b> ( <a href="#">nacelles not otherwise provided for B64C</a> )	35/02	• characterised by the type of power plant
29/02	• associated with wings ( <a href="#">wings adapted for mounting power plant B64C</a> )	35/04	• characterised by the transmission driving a plurality of propellers or rotors
29/04	• associated with fuselages	35/06	• . the propellers or rotors being counter-rotating
29/06	• Attaching of nacelles, fairings or cowlings	35/08	• characterised by the transmission being driven by a plurality of power plants
29/08	• Inspection panels for power plants	<b>37/00</b>	<b>Arrangements in connection with fuel supply for power plant</b> ( <a href="#">refuelling during flight B64D 39/00</a> )



37/005	. {Accessories not provided for in the groups <a href="#">B64D 37/02</a> - <a href="#">B64D 37/28</a> }	2045/005	. . {by protecting cabin or luggage from bombs}
37/02	. Tanks (tanks constructed integrally with aircraft wings <a href="#">B64C</a> ; shape or construction of tanks <i>per se</i> <a href="#">B65D</a> )	2045/0055	. . {by overriding pilot's controls, or by directing aircraft from ground control to avoid certain paths or zones}
37/04	. . Arrangement thereof in or on aircraft	2045/006	. . {by avoiding the use of electronic equipment during flight, e.g. of mobile phones or laptops}
37/06	. . Constructional adaptations thereof	2045/0065	. {Black boxes, devices automatically broadcasting distress signals}
37/08	. . . Internal partitioning	2045/007	. {Indicators or signs in the cabin, e.g. exit signs or seat numbering}
37/10	. . . to facilitate fuel pressurisation	2045/0075	. {Adaptations for use of electronic flight bags in aircraft; Supports therefor in the cockpit}
37/12	. . . jettisonable	2045/008	. {Devices for detecting or indicating hard landing}
37/14	. . Filling or emptying (transferring fuels to adjust aircraft trim <a href="#">B64C</a> )	2045/0085	. {Devices for aircraft health monitoring, e.g. monitoring flutter or vibration}
37/16	. . . Filling systems (ground installations for fuelling aircraft <a href="#">B64F</a> )	2045/009	. {Fire detection or protection; Erosion protection, e.g. from airborne particles}
37/18	. . . . Conditioning fuel during filling	2045/0095	. {Devices specially adapted to avoid bird strike}
37/20	. . . Emptying systems	45/02	. Lightning protectors; Static dischargers ( <i>in general</i> <a href="#">H01T</a> )
37/22	. . . . facilitating emptying in any position of tank	45/04	. Landing aids; Safety measures to prevent collision with earth's surface
37/24	. . . . using gas pressure	45/06	. . mechanical
37/26	. . . . Jettisoning of fuel	45/08	. . optical
37/28	. . . . Control thereof	47/00	<b>Equipment not otherwise provided for</b>
37/30	. Fuel systems for specific fuels	47/02	. Arrangements or adaptations of signal or lighting devices
37/32	. Safety measures not otherwise provided for, e.g. preventing explosive conditions (extinguishing or preventing fires in aircraft <a href="#">A62C</a> )	47/04	. . the lighting devices being primarily intended to illuminate the way ahead
2037/325	. . {Fuel tanks with provisions for reduction hydraulic ram shocks due to projectile impacts}	47/06	. . for indicating aircraft presence
37/34	. Conditioning fuel, e.g. heating (during filling <a href="#">B64D 37/18</a> )	47/08	. Arrangements of cameras
39/00	<b>Refuelling during flight (filling or emptying fuel tanks <a href="#">B64D 37/14</a>)</b>	2201/00	<b>Airbags mounted in aircraft for any use</b>
39/02	. Means for paying-in or out hose	2203/00	<b>Aircraft or airfield lights using LEDs</b>
39/04	. Adaptations of hose construction (pipes <i>in general</i> <a href="#">F16L</a> )	2205/00	<b>Aircraft with means for ground manoeuvring, such as taxiing, using an auxiliary thrust system, e.g. jet-engines, propellers or compressed air</b>
39/06	. Connecting hose to aircraft; Disconnecting hose therefrom	2211/00	<b>Arrangements of solar panels on aircraft</b>
41/00	<b>Power installations for auxiliary purposes</b>	2221/00	<b>Electric power distribution systems onboard aircraft</b>
2041/002	. {Mounting arrangements for auxiliary power units (APU's)}	2231/00	<b>Emergency oxygen systems</b>
2041/005	. {Fuel cells}	2231/02	. Supply or distribution systems
41/007	. {Ram air turbines}	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
43/00	<b>Arrangements or adaptations of instruments (arrangements of cameras <a href="#">B64D 47/08</a>; aeronautical measuring instruments <i>per se</i> <a href="#">G01C</a>)</b>	2241/00	<b>NACA type air intakes</b>
43/02	. for indicating aircraft speed or stalling conditions	2700/00	<b>** to be decided **</b>
45/00	<b>Aircraft indicators or protectors not otherwise provided for (camouflage <a href="#">F41H 3/00</a>)</b>	2700/62	. ** to be decided **
45/0005	. {Devices specially adapted to indicate the position of a movable element of the aircraft, e.g. landing gear}	2700/62008	. . Aircraft equipment
2045/001	. . {for indicating symmetry of flaps deflection}	2700/62017	. . . Respiratory apparatus for high altitude
45/0015	. {Devices specially adapted for the protection against criminal attack, e.g. anti-hijacking systems}	2700/62026	. . . . Pressurised cabins
2045/002	. . {by disabling or restraining attackers}	2700/62035	. . . . . Pressure control valves
2045/0025	. . . {by spraying gases in cabins, or by shooting darts with anesthetic effects}	2700/62043	. . . . Indicators; Protective devices
2045/003	. . {by monitoring cabins}	2700/62052	. . . . De-icing or preventing icing
2045/0035	. . . {using cameras}	2700/62061	. . . . . of structural elements, e.g. fuselage, wings and the like
2045/004	. . . {detecting passenger or pilot behaviors by sensors, e.g. biometrics}	2700/6207	. . . . by mechanical means
2045/0045	. . {by communicating emergency situations to ground control, or between crew members}		

2700/62078	. . . .	by electric heating	2700/62561	. . . .	Devices to control the time or rate of the opening; Deceleration devices
2700/62087	. . . .	by ducted exhaust gas	2700/6257	. . . .	Opening induced by means other than airstream
2700/62096	. . . . .	of propellers	2700/62578	. .	Special uses of parachutes or similar devices
2700/62105	. . . .	by mechanical means	2700/62587	. .	Other emergency devices, e.g. balloons, parachutes with propellers
2700/62114	. . . .	by electric heating	2700/62596	. . .	Dropping, ejecting, releasing or receiving articles during flight
2700/62122	. . . .	by ducted exhaust gas	2700/62605	. .	Dropping, ejecting or releasing articles
2700/62131	. . . . .	of windows or air intakes	2700/62614	. . .	the article being explosive, e.g. bombs
2700/6214	. . . .	by mechanical means	2700/62622	. . . .	equipped with parachutes, rotary wings or rudders
2700/62149	. . . .	by electric heating	2700/62631	. . .	Armaments
2700/62157	. . . .	by ducted exhaust gas	2700/6264	. .	Mounting of flame-projectors
2700/62166	. . .	Mounting of instruments	2700/62649	. .	Mounting of firearms
2700/62175	. .	Dashboards; Radar antennae; Chart tables	2700/62657	. .	Devices adapted to shoot through the hollow propeller shaft
2700/62184	. .	Measuring instruments	2700/62666	. . .	Means for protecting aircraft against aerial barriers
2700/62192	. . .	not using electrical means	2700/62675	. . .	Turrets which can be lowered
2700/62201	. . . .	Turbulence detectors not using radar signals	2700/62684	. . .	General disposition of the aircraft in relation to the propulsion means
2700/6221	. . .	using electrical means	2700/62692	. .	Tractive or propulsive propellers
2700/62219	. . . .	Electric safety devices	2700/62701	. . .	operated by hydraulic power
2700/62228	. . . .	Electric compensation or correction devices	2700/6271	. . .	operated by electrical power
2700/62236	. . . .	Electrical circuits for acceleration indicators	2700/62719	. . .	jet-driven
2700/62245	. . . .	Electric circuits for rate of change indicators	2700/62728	. . .	Specific for seaplanes or amphibian aircrafts
2700/62254	. . . . .	Airspeed indicators	2700/62736	. .	jet propulsion
2700/62263	. . . . .	Devices indicating or eliminating decrease of the airspeed	2700/62745	. . .	combined with propellers
2700/62271	. . . .	Roll, pitch or yaw indicators	2700/62754	. . .	combined with jet-deflectors
2700/6228	. . . . .	Airflow direction indicators	2700/62763	. . .	Propulsion or transmission devices
2700/62289	. . .	Flight recorders, e.g. black boxes	2700/62771	. .	General arrangements
2700/62298	. .	Weight and center of gravity indicators	2700/6278	. . .	in propeller driven aircraft
2700/62307	. . .	Tanks	2700/62789	. . . .	In seaplanes or amphibian aircraft
2700/62315	. .	Tanks or accessories	2700/62798	. . . .	One propeller being driven by several engines
2700/62324	. . .	Manufacturing and materials	2700/62807	. . . .	Several non-coaxial propellers driven by only one engine
2700/62333	. . . .	Special panels	2700/62815	. . . .	Double propellers
2700/62342	. . . . .	Flexible or foldable panels	2700/62824	. . . . .	co-rotating
2700/6235	. . . . .	Self-sealing or double panels; Tanks suspended elastically	2700/62833	. . . . .	counter-rotating
2700/62359	. . . . .	Thermally insulated walls	2700/62842	. . . . .	driven by only one engine
2700/62368	. . .	Fluid level indicators	2700/6285	. . . . .	driven by several engines
2700/62377	. . .	Accessories, e.g. packs, floats, valves	2700/62859	. . .	in jet propulsion aircraft
2700/62385	. .	Mounting of tanks; Supporting devices	2700/62868	. .	Manufacturing of propellers or propulsive wheels
2700/62394	. . .	Auxiliary tanks; Tanks convertible into floating devices	2700/62877	. . .	Variable-pitch blades
2700/62403	. . .	Wing parts used as fuel tanks	2700/62885	. . . .	Torque transmission to the propeller shaft
2700/62412	. .	Emptying or filling of tanks	2700/62894	. . . . .	Coupling between motor shaft and propeller shaft
2700/62421	. . .	Emptying devices	2700/62903	. . . . .	through an overrunning coupling, a friction clutch, an adjustable slipping coupling, a hydraulic coupling or a retarding coupling
2700/62429	. . . .	Flow lines; Couplings	2700/62912	. . . . .	through a device which changes the direction of rotation of the propeller relative to the engine
2700/62438	. .	Safety devices for tanks	2700/62921	. . . . .	Brakes arranged on the propeller shaft
2700/62447	. . .	Fire preventing devices	2700/62929	. . . . .	Lubrication of the transmission
2700/62456	. . . .	Explosion preventing devices	2700/62938	. . .	Arrangements of propulsion plants
2700/62464	. . .	Devices for degassing fuel or for controlling boiloff	2700/62947	. . . .	in propeller driven aircraft
2700/62473	. . .	Parachutes	2700/62956	. . . .	in jet propulsion aircraft
2700/62482	. .	Parts or accessories	2700/62964	. . . .	Engines ejectable during flight
2700/62491	. . .	Construction of canopies			
2700/625	. . .	Load suspension; Harnesses or quick release boxes			
2700/62508	. .	Disposition or mounting in aircraft			
2700/62517	. .	Manufacturing or packing			
2700/62526	. . .	Parachutes with a rigid armature			
2700/62535	. . .	Means for deflating the parachute after use			
2700/62543	. . .	Means to open or to close the parachute pack			
2700/62552	. . .	Devices to open or to drive the parachute during fall			

## B64D

- 2700/62973 . . . . Heating and cooling devices
- 2700/62982 . . . . Elastic suspension using rubber
- 2700/62991 . . . . Devices for braking or boosting aircraft, e.g.  
auxiliary propeller, rockets, jets, take-off  
assistance