

## SECTION B — PERFORMING OPERATIONS; TRANSPORTING

### B64 AIRCRAFT; AVIATION; COSMONAUTICS

#### B64C AEROPLANES; HELICOPTERS (air-cushion vehicles B60V)

##### Note(s) [3]

As far as possible, classification is made according to constructional features; classification according to particular kinds of aircraft is normally regarded as being of secondary importance, except in cases where this is considered to be the characteristic feature.

##### Subclass index

##### STRUCTURES, FAIRINGS

|                                             |                  |
|---------------------------------------------|------------------|
| Features common to different elements.....  | 1/00             |
| Fuselages; wings; stabilising surfaces..... | 1/00, 3/00, 5/00 |
| Other structural elements.....              | 7/00             |

##### PROPELLERS, FLIGHT CONTROL

|                                                              |              |
|--------------------------------------------------------------|--------------|
| Propellers.....                                              | 11/00        |
| Adjustable control surfaces or members; control systems..... | 9/00, 13/00  |
| Control by jet reaction.....                                 | 15/00        |
| Stabilisation and controls not otherwise provided for.....   | 17/00, 19/00 |

##### MODIFYING LIFT BY ACTION ON AIR-FLOW.....13/00, 21/00, 23/00

##### ALIGHTING GEAR.....25/00

##### AIRCRAFT KINDS AND THEIR COMPONENTS NOT OTHERWISE PROVIDED FOR

|                                                                                                                    |              |
|--------------------------------------------------------------------------------------------------------------------|--------------|
| Supersonic.....                                                                                                    | 30/00        |
| Seaplanes.....                                                                                                     | 35/00        |
| Aircraft intended to be sustained without power plant; powered hand-glider-type aircraft; microlight aircraft..... | 31/00        |
| Convertible aircraft.....                                                                                          | 37/00        |
| Vertical-take-off or landing aircraft.....                                                                         | 29/00        |
| Rotorcraft; ornithopters.....                                                                                      | 27/00, 33/00 |
| Others.....                                                                                                        | 39/00        |

##### Aircraft structures or fairings

- 1/00 Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, or the like** (aerodynamical features common to fuselages, wings, stabilising surfaces, or the like B64C 23/00; flight-deck installations B64D) **[1, 2006.01]**
- 1/06 • Frames; Stringers; Longerons **[1, 2006.01]**
- 1/08 • • Geodetic or other open-frame structures **[1, 2006.01]**
- 1/10 • • Bulkheads **[1, 2006.01]**
- 1/12 • • Construction or attachment of skin panels **[1, 2006.01]**
- 1/14 • Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements B64C 25/16; bomb doors B64D 1/06) **[1, 2006.01]**
- 1/16 • specially adapted for mounting power plant **[1, 2006.01]**
- 1/18 • Floors **[1, 2006.01]**
- 1/20 • • specially adapted for freight **[1, 2006.01]**
- 1/22 • Other structures integral with fuselages to facilitate loading **[1, 2006.01]**

- 1/24 • Steps mounted on, and retractable within, fuselages (readily removable B64D 9/00) **[1, 2006.01]**
- 1/26 • Attaching the wing or tail units or stabilising surfaces **[1, 2006.01]**
- 1/28 • Parts of fuselage relatively movable to improve pilots view **[1, 2006.01]**
- 1/30 • Parts of fuselage relatively movable to reduce overall dimensions of aircraft **[1, 2006.01]**
- 1/32 • Severable or jettisonable parts of fuselage facilitating emergency escape (ejector seats B64D 25/10) **[1, 2006.01]**
- 1/34 • comprising inflatable structural components (connection of valves to inflatable elastic bodies B60C 29/00) **[1, 2006.01]**
- 1/36 • adapted to receive aerials or radomes (aerials or radomes *per se* H01Q) **[1, 2006.01]**
- 1/38 • Constructions adapted to reduce effects of aerodynamic or other external heating **[1, 2006.01]**
- 1/40 • Sound or heat insulation **[1, 2006.01]**
- 3/00 Wings** (stabilising surfaces B64C 5/00; ornithopter wings B64C 33/02) **[1, 2006.01]**
- 3/10 • Shape of wings **[1, 2006.01]**
- 3/14 • • Aerofoil profile **[1, 2006.01]**

- 3/16 • • Frontal aspect [1, 2006.01]
- 3/18 • Spars; Ribs; Stringers (attaching wing unit to fuselage B64C 1/26) [1, 2006.01]
- 3/20 • Integral or sandwich constructions (layered products or sandwich constructions in general B32B) [1, 2006.01]
- 3/22 • Geodetic or other open-frame structures [1, 2006.01]
- 3/24 • Moulded or cast structures [1, 2006.01]
- 3/26 • Construction, shape, or attachment of separate skins, e.g. panels [1, 2006.01]
- 3/28 • Leading or trailing edges attached to primary structures, e.g. forming fixed slots [1, 2006.01]
- 3/30 • comprising inflatable structural components (connection of valves to inflatable elastic bodies B60C 29/00) [1, 2006.01]
- 3/32 • specially adapted for mounting power plant [1, 2006.01]
- 3/34 • Integrally-constructed tanks, e.g. for fuel (other aircraft fuel tanks or fuel systems B64D) [1, 2006.01]
- 3/36 • Structures adapted to reduce effects of aerodynamic or other external heating [1, 2006.01]
- 3/38 • Adjustment of complete wings or parts thereof [1, 2006.01]
- 3/40 • • Varying angle of sweep [1, 2006.01]
- 3/42 • • Adjusting about chordwise axes [1, 2006.01]
- 3/44 • • Varying camber [1, 2006.01]
- 3/46 • • • by inflatable elements (connection of valves to inflatable elastic bodies B60C 29/00) [1, 2006.01]
- 3/48 • • • by relatively-movable parts of wing structures [1, 2006.01]
- 3/50 • • • by leading or trailing edge flaps (ailerons B64C 9/00) [1, 2006.01]
- 3/52 • • Warping [1, 2006.01]
- 3/54 • • Varying in area (flaps extendable to increase camber B64C 3/44) [1, 2006.01]
- 3/56 • • Folding or collapsing to reduce overall dimensions of aircraft [1, 2006.01]
- 3/58 • provided with fences or spoilers (adjustable for control purposes B64C 9/00) [1, 2006.01]
  
- 5/00 **Stabilising surfaces** (attaching stabilising surfaces to fuselage B64C 1/26) [1, 2006.01]
- 5/02 • Tailplanes (fins B64C 5/06) [1, 2006.01]
- 5/04 • Noseplanes [1, 2006.01]
- 5/06 • Fins (specially for wings B64C 5/08) [1, 2006.01]
- 5/08 • mounted on, or supported by, wings [1, 2006.01]
- 5/10 • adjustable [1, 2006.01]
- 5/12 • • for retraction against or within fuselage or nacelle [1, 2006.01]
- 5/14 • • Varying angle of sweep [1, 2006.01]
- 5/16 • • about spanwise axes [1, 2006.01]
- 5/18 • • in area [1, 2006.01]
  
- 7/00 **Structures or fairings not otherwise provided for** [1, 2006.01]
- 7/02 • Nacelles [1, 2006.01]

- 
- 9/00 **Adjustable control surfaces or members, e.g. rudders** (trimming stabilising surfaces B64C 5/10; systems for actuating flying-control surfaces B64C 13/00) [1, 2006.01]
  - 9/02 • Mounting or supporting thereof [1, 2006.01]
  - 9/04 • with compound dependent movements [1, 2006.01]

- 9/06 • with two or more independent movements [1, 2006.01]
- 9/08 • bodily displaceable (varying camber of wings B64C 3/44) [1, 2006.01]
- 9/10 • one surface adjusted by movement of another, e.g. servo tabs (B64C 9/04 takes precedence; adjusting surfaces of different type or function B64C 9/12) [1, 2006.01]
- 9/12 • surfaces of different type or function being simultaneously adjusted [1, 2006.01]
- 9/14 • forming slots (boundary-layer control B64C 21/00) [1, 2006.01]
- 9/16 • • at the rear of the wing [1, 2006.01]
- 9/18 • • • by single flaps [1, 2006.01]
- 9/20 • • • by multiple flaps [1, 2006.01]
- 9/22 • • at the front of the wing [1, 2006.01]
- 9/24 • • • by single flap [1, 2006.01]
- 9/26 • • • by multiple flaps [1, 2006.01]
- 9/28 • • by flaps at both the front and rear of the wing operating in unison [1, 2006.01]
- 9/30 • Balancing hinged surfaces, e.g. dynamically [1, 2006.01]
- 9/32 • Air braking surfaces (braking by parachutes B64D 17/80) [1, 2006.01]
- 9/34 • collapsing or retracting against or within other surfaces or other members [1, 2006.01]
- 9/36 • • the members being fuselages or nacelles [1, 2006.01]
- 9/38 • Jet flaps [1, 2006.01]

**11/00 Propellers, e.g. of ducted type; Features common to propellers and rotors for rotorcraft** (rotors specially adapted for rotorcraft B64C 27/32) [1, 2006.01]

- 11/02 • Hub construction [1, 2006.01]
- 11/04 • • Blade mountings [1, 2006.01]
- 11/06 • • • for variable-pitch blades [1, 2006.01]
- 11/08 • • • for non-adjustable blades [1, 2006.01]
- 11/10 • • • • rigid [1, 2006.01]
- 11/12 • • • • flexible [1, 2006.01]
- 11/14 • • Spinners [1, 2006.01]
- 11/16 • Blades [1, 2006.01]
- 11/18 • • Aerodynamic features [1, 2006.01]
- 11/20 • • Constructional features [1, 2006.01]
- 11/22 • • • Solid blades [1, 2006.01]
- 11/24 • • • Hollow blades [1, 2006.01]
- 11/26 • • • Fabricated blades [1, 2006.01]
- 11/28 • • • Collapsible or foldable blades [1, 2006.01]
- 11/30 • Blade pitch-changing mechanisms [1, 2006.01]
- 11/32 • • mechanical [1, 2006.01]
- 11/34 • • • automatic [1, 2006.01]
- 11/36 • • • non-automatic [1, 2006.01]
- 11/38 • • fluid, e.g. hydraulic [1, 2006.01]
- 11/40 • • • automatic [1, 2006.01]
- 11/42 • • • non-automatic [1, 2006.01]
- 11/44 • • electric [1, 2006.01]
- 11/46 • Arrangements of, or constructional features peculiar to, multiple propellers [1, 2006.01]
- 11/48 • • Units of two or more coaxial propellers [1, 2006.01]
- 11/50 • • Phase synchronisation between multiple propellers [1, 2006.01]

**13/00 Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers** [1, 2006.01]

- 13/02 • Initiating means [1, 2006.01]

|                                                                                       |                                                                                                                                                           |              |                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13/04                                                                                 | • • actuated personally [1, 2006.01]                                                                                                                      | 21/04        | • • for blowing (B64C 21/08 takes precedence) [1, 2006.01]                                                                                                                                                                     |
| 13/06                                                                                 | • • • adjustable to suit individual persons [1, 2006.01]                                                                                                  | 21/06        | • • for sucking (B64C 21/08 takes precedence) [1, 2006.01]                                                                                                                                                                     |
| 13/08                                                                                 | • • • Trimming zero positions [1, 2006.01]                                                                                                                | 21/08        | • • adjustable [1, 2006.01]                                                                                                                                                                                                    |
| 13/10                                                                                 | • • • comprising warning devices [1, 2006.01]                                                                                                             | 21/10        | • using other surface properties, e.g. roughness [1, 2006.01]                                                                                                                                                                  |
| 13/12                                                                                 | • • • Dual control apparatus [1, 2006.01]                                                                                                                 |              |                                                                                                                                                                                                                                |
| 13/14                                                                                 | • • • lockable (locking in position to suit individual persons B64C 13/06) [1, 2006.01]                                                                   | <b>23/00</b> | <b>Influencing air-flow over aircraft surfaces, not otherwise provided for [1, 2006.01]</b>                                                                                                                                    |
| 13/16                                                                                 | • • actuated automatically, e.g. responsive to gust detectors [1, 2006.01]                                                                                | 23/02        | • by means of rotating members of cylindrical or similar form [1, 2006.01]                                                                                                                                                     |
| 13/18                                                                                 | • • • using automatic pilot (automatic pilots <i>per se</i> G05D 1/00) [1, 2006.01]                                                                       | 23/04        | • by generating shock waves [1, 2006.01]                                                                                                                                                                                       |
| 13/20                                                                                 | • • • using radiated signals [1, 2006.01]                                                                                                                 | 23/06        | • by generating vortices [1, 2006.01]                                                                                                                                                                                          |
| 13/22                                                                                 | • • • readily revertible to personal control [1, 2006.01]                                                                                                 | 23/08        | • using Magnus effect [1, 2006.01]                                                                                                                                                                                             |
| 13/24                                                                                 | • Transmitting means [1, 2006.01]                                                                                                                         |              |                                                                                                                                                                                                                                |
| 13/26                                                                                 | • • without power amplification or where power amplification is irrelevant [1, 2006.01]                                                                   | <b>25/00</b> | <b>Alighting gear</b> (air-cushion alighting gear B60V 3/08) [1, 2006.01]                                                                                                                                                      |
| 13/28                                                                                 | • • • mechanical [1, 2006.01]                                                                                                                             | 25/02        | • Undercarriages [1, 2006.01]                                                                                                                                                                                                  |
| 13/30                                                                                 | • • • • using cable, chain, or rod mechanisms [1, 2006.01]                                                                                                | 25/04        | • • Arrangement or disposition on aircraft [1, 2006.01]                                                                                                                                                                        |
| 13/32                                                                                 | • • • • using cam mechanisms [1, 2006.01]                                                                                                                 | 25/06        | • • fixed [1, 2006.01]                                                                                                                                                                                                         |
| 13/34                                                                                 | • • • • using toothed gearing [1, 2006.01]                                                                                                                | 25/08        | • • non-fixed, e.g. jettisonable [1, 2006.01]                                                                                                                                                                                  |
| 13/36                                                                                 | • • • fluid [1, 2006.01]                                                                                                                                  | 25/10        | • • • retractable, foldable, or the like [1, 2006.01]                                                                                                                                                                          |
| 13/38                                                                                 | • • with power amplification [1, 2006.01]                                                                                                                 | 25/12        | • • • • sideways [1, 2006.01]                                                                                                                                                                                                  |
| 13/40                                                                                 | • • • using fluid pressure [1, 2006.01]                                                                                                                   | 25/14        | • • • • fore-and-aft [1, 2006.01]                                                                                                                                                                                              |
| 13/42                                                                                 | • • • • having duplication or stand-by provisions [1, 2006.01]                                                                                            | 25/16        | • • • • Fairings movable in conjunction with undercarriage elements [1, 2006.01]                                                                                                                                               |
| 13/44                                                                                 | • • • • overriding of personal controls; with automatic return to inoperative position [1, 2006.01]                                                       | 25/18        | • • • • Operating mechanisms [1, 2006.01]                                                                                                                                                                                      |
| 13/46                                                                                 | • • • • with artificial feel [1, 2006.01]                                                                                                                 | 25/20        | • • • • • mechanical [1, 2006.01]                                                                                                                                                                                              |
| 13/48                                                                                 | • • • • characterised by the fluid being gaseous [1, 2006.01]                                                                                             | 25/22        | • • • • • fluid [1, 2006.01]                                                                                                                                                                                                   |
| 13/50                                                                                 | • • • using electrical energy [1, 2006.01]                                                                                                                | 25/24        | • • • • • electric [1, 2006.01]                                                                                                                                                                                                |
|                                                                                       |                                                                                                                                                           | 25/26        | • • • • • Control or locking systems therefor [1, 2006.01]                                                                                                                                                                     |
| <b>15/00</b>                                                                          | <b>Attitude, flight direction, or altitude control by jet reaction</b> (details of jet-engine plants, e.g. of nozzles or jet pipes, F02K) [1, 3, 2006.01] | 25/28        | • • • • • with indicating or warning devices [1, 2006.01]                                                                                                                                                                      |
| 15/02                                                                                 | • the jets being propulsion jets [1, 2006.01]                                                                                                             | 25/30        | • • • • • emergency actuated [1, 2006.01]                                                                                                                                                                                      |
| 15/12                                                                                 | • • the power plant being tilttable [1, 2006.01]                                                                                                          | 25/32        | • characterised by elements which contact the ground or similar surface (arrestor hooks B64C 25/68) [1, 2006.01]                                                                                                               |
| 15/14                                                                                 | • the jets being other than main propulsion jets (jet flaps B64C 9/38) [1, 2006.01]                                                                       | 25/34        | • • wheeled type, e.g. multi-wheeled bogies [1, 2006.01]                                                                                                                                                                       |
|                                                                                       |                                                                                                                                                           | 25/36        | • • • Arrangements or adaptations of wheels, tyres, or axles in general (construction of wheels or axles B60B; construction of tyres in general B60C) [1, 2006.01]                                                             |
| <b>17/00</b>                                                                          | <b>Aircraft stabilisation not otherwise provided for [1, 2006.01]</b>                                                                                     | 25/38        | • • endless-track type [1, 2006.01]                                                                                                                                                                                            |
| 17/02                                                                                 | • by gravity or inertia-actuated apparatus [1, 2006.01]                                                                                                   | 25/40        | • • the elements being rotated before touch-down [1, 2006.01]                                                                                                                                                                  |
| 17/04                                                                                 | • • by pendular bodies [1, 2006.01]                                                                                                                       | 25/42        | • • Arrangement or adaptation of brakes (the ground braking force being regulated, at least in part, by a speed condition, e.g. acceleration or deceleration of the ground engaging alighting gear, B60T 8/32) [1, 4, 2006.01] |
| 17/06                                                                                 | • • by gyroscopic apparatus (automatic-pilot control B64C 13/18) [1, 2006.01]                                                                             | 25/44        | • • • Actuating mechanisms [1, 2006.01]                                                                                                                                                                                        |
| 17/08                                                                                 | • by ballast supply or discharge (for lighter-than-air aircraft B64B) [1, 2006.01]                                                                        | 25/46        | • • • • Brake regulators for preventing skidding or aircraft somersaulting [1, 2006.01]                                                                                                                                        |
| 17/10                                                                                 | • Transferring fuel to adjust trim [1, 2006.01]                                                                                                           | 25/48        | • • • • differentially operated for steering purposes [1, 2006.01]                                                                                                                                                             |
|                                                                                       |                                                                                                                                                           | 25/50        | • • Steerable undercarriages; Shimmy-damping (steering devices applicable to land vehicles B62D) [1, 2006.01]                                                                                                                  |
| <b>19/00</b>                                                                          | <b>Aircraft control not otherwise provided for [1, 2006.01]</b>                                                                                           | 25/52        | • • Skis or runners [1, 2006.01]                                                                                                                                                                                               |
| 19/02                                                                                 | • Conjoint controls [1, 2006.01]                                                                                                                          | 25/54        | • • Floats [1, 2006.01]                                                                                                                                                                                                        |
|                                                                                       |                                                                                                                                                           |              |                                                                                                                                                                                                                                |
| <b><u>Influencing air-flow over aircraft surfaces, not otherwise provided for</u></b> |                                                                                                                                                           |              |                                                                                                                                                                                                                                |
| <b>21/00</b>                                                                          | <b>Influencing air-flow over aircraft surfaces by affecting boundary-layer flow</b> (boundary-layer control in general F15D) [1, 2006.01]                 |              |                                                                                                                                                                                                                                |
| 21/02                                                                                 | • by use of slot, ducts, porous areas, or the like [1, 2006.01]                                                                                           |              |                                                                                                                                                                                                                                |

- 25/56 • • • inflatable (connection of valves to inflatable elastic bodies B60C 29/00) [1, 2006.01]
- 25/58 • • Arrangements or adaptations of shock-absorbers or springs (shimmy-dampers B64C 25/50; vehicle suspension arrangements in general B60G; shock-absorbers *per se* F16F) [1, 2006.01]
- 25/60 • • • Oleo legs [1, 2006.01]
- 25/62 • • • Spring shock-absorbers; Springs [1, 2006.01]
- 25/64 • • • • using rubber or like elements [1, 2006.01]
- 25/66 • • Convertible alighting gear; Combinations of different kinds of ground or like engaging elements [1, 2006.01]
- 25/68 • Arrester hooks (arresting gear, e.g. on aircraft carriers, B64F) [1, 2006.01]

#### **Aircraft kinds or components not otherwise provided for**

- 27/00 Rotorcraft; Rotors peculiar thereto** (alighting gear B64C 25/00) [1, 2006.01]
- 27/02 • Gyroplanes [1, 2006.01]
- 27/04 • Helicopters [1, 2006.01]
- 27/06 • • with single rotor [1, 2006.01]
- 27/08 • • with two or more rotors [1, 2006.01]
- 27/10 • • • arranged coaxially [1, 2006.01]
- 27/12 • • Rotor drives [1, 2006.01]
- 27/14 • • • Direct drive between power plant and rotor hub [1, 2006.01]
- 27/16 • • • Drive of rotors by means, e.g. propellers, mounted on rotor blades [1, 2006.01]
- 27/18 • • • • the means being jet-reaction apparatus [1, 2006.01]
- 27/20 • Rotorcraft characterised by having shrouded rotors, e.g. flying platforms [1, 2006.01]
- 27/22 • Compound rotorcraft, i.e. aircraft using in flight the features of both aeroplane and rotorcraft [1, 2006.01]
- 27/24 • • with rotor blades fixed in flight to act as lifting surfaces [1, 2006.01]
- 27/26 • • characterised by provision of fixed wings [1, 2006.01]
- 27/28 • • with forward-propulsion propellers pivotable to act as lifting rotors [1, 2006.01]
- 27/30 • • with provision for reducing drag of inoperative rotor [1, 2006.01]
- 27/32 • Rotors (features common to rotors and propellers B64C 11/00) [1, 2006.01]
- 27/33 • • having flexing arms [3, 2006.01]
- 27/35 • • having elastomeric joints [3, 2006.01]
- 27/37 • • having articulated joints (B64C 27/33, B64C 27/35 take precedence) [3, 2006.01]
- 27/39 • • • with individually articulated blades, i.e. with flapping or drag hinges [3, 2006.01]
- 27/41 • • • with flapping hinge or universal joint, common to the blades [3, 2006.01]
- 27/43 • • • • see-saw type, i.e. two-bladed rotor [3, 2006.01]
- 27/45 • • • with a feathering hinge only [3, 2006.01]
- 27/46 • • Blades [1, 2006.01]
- 27/467 • • • Aerodynamic features [6, 2006.01]
- 27/473 • • • Constructional features [6, 2006.01]
- 27/48 • • • • Root attachment to rotor head [1, 2006.01]
- 27/50 • • • • Blades foldable to facilitate stowage of aircraft [1, 2006.01]
- 27/51 • Damping of blade movements [3, 2006.01]
- 27/52 • Tilting of rotor bodily relative to fuselage (of see-saw type construction B64C 27/43) [1, 2006.01]

- 27/54 • Mechanisms for controlling blade adjustment or movement relative to rotor head, e.g. lag-lead movement [1, 2006.01]
- 27/56 • • characterised by the control initiating means, e.g. manually actuated (B64C 27/58 takes precedence) [1, 2006.01]
- 27/57 • • • automatic or condition responsive, e.g. responsive to rotor speed, torque or thrust [3, 2006.01]
- 27/58 • • Transmitting means, e.g. interrelated with initiating means or means acting on blades (initiating means B64C 27/56; means acting on blades B64C 27/72) [1, 2006.01]
- 27/59 • • • mechanical [3, 2006.01]
- 27/605 • • • • including swash plate, spider or cam mechanisms [3, 2006.01]
- 27/615 • • • • including flaps mounted on blades [3, 2006.01]
- 27/625 • • • • including rotating masses or servo rotors [3, 2006.01]
- 27/635 • • • • specially for controlling lag-lead movements of blades [3, 2006.01]
- 27/64 • • • using fluid pressure, e.g. having fluid power amplification [1, 3, 2006.01]
- 27/68 • • • using electrical energy, e.g. having electrical power amplification [1, 3, 2006.01]
- 27/72 • • Means acting on blades [1, 2006.01]
- 27/78 • • in association with pitch adjustment of blades of anti-torque rotor [1, 2006.01]
- 27/80 • • for differential adjustment of blade pitch between two or more lifting rotors [1, 2006.01]
- 27/82 • characterised by the provision of an auxiliary rotor or fluid-jet device for counter-balancing lifting-rotor torque or changing direction of rotorcraft [1, 2006.01]
- 29/00 Aircraft capable of landing or taking-off vertically** (attitude, flight direction, or altitude control by jet reaction B64C 15/00; rotorcraft B64C 27/00; air-cushion vehicles B60V; details of jet-engine plants, e.g. of nozzles or jet pipes, F02K) [1, 2006.01]
- 29/02 • having its flight directional axis vertical when grounded [1, 2006.01]
- 29/04 • • characterised by jet-reaction propulsion [1, 2006.01]
- 30/00 Supersonic type aircraft** [3, 2006.01]
- 31/00 Aircraft intended to be sustained without power plant; Powered hang-glider-type aircraft; Microlight-type aircraft** [1, 2006.01]
- 31/02 • Gliders, e.g. sailplanes (hang-gliders B64C 31/028) [1, 6, 2006.01]
- 31/024 • • with auxiliary power plant [6, 2006.01]
- 31/028 • Hang-glider-type aircraft; Microlight-type aircraft [6, 2006.01]
- 31/032 • • having delta shaped wing [6, 2006.01]
- 31/036 • • having parachute-type wing (parachutes B64D 17/00) [6, 2006.01]
- 31/04 • Man-powered aircraft (ornithopters B64C 33/00) [1, 2006.01]
- 31/06 • Kites (hang-gliders B64C 31/028; toy aspects A63H 27/08; towed targets F41J) [1, 2006.01]
- 33/00 Ornithopters** [1, 2006.01]
- 33/02 • Wings; Actuating mechanisms therefor [1, 2006.01]

|       |                                                                                                                      |       |                                                                                   |
|-------|----------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|
| 35/00 | <b>Flying-boats; Seaplanes</b> (alighting gear B64C 25/00) [1, 2006.01]                                              | 39/02 | • characterised by special use [1, 2006.01]                                       |
| 35/02 | • Flying-boat hulls [3, 2006.01]                                                                                     | 39/04 | • having multiple fuselages or tail booms [3, 2006.01]                            |
| 37/00 | <b>Convertible aircraft</b> (vehicles capable of travelling in or on different media B60F) [1, 2006.01]              | 39/06 | • having disc- or ring-shaped wings [3, 2006.01]                                  |
| 37/02 | • Flying units formed by separate aircraft (towing, air-refuelling, or aircraft-carrying aircraft B64D) [1, 2006.01] | 39/08 | • having multiple wings [3, 2006.01]                                              |
|       |                                                                                                                      | 39/10 | • All-wing aircraft [3, 2006.01]                                                  |
|       |                                                                                                                      | 39/12 | • Canard-type aircraft [3, 2006.01]                                               |
| 39/00 | <b>Aircraft not otherwise provided for</b> [1, 2006.01]                                                              | 99/00 | <b>Subject matter not provided for in other groups of this subclass</b> [2010.01] |