Aeronautics

62a	Airships, balloons
62a1	(IPC: B64B) Lighter-than-air aircraft
62a2	(IPC: B64C) Aeroplanes; Helicopters
62a3	(IPC: B64D) Equipment for fitting in or to aircraft; Parachutes; Arrangements or mounting of power plants or propulsion transmissions
62a4	(IPC: B64F) Ground or aircraft-carrier-deck installations
62b	Aeroplanes, power-driven aircraft, air cushion vehicles
62c	General aeronautical equipment
62d	Space vehicles
62d	(IPC: B64G) Cosmonautics; Vehicles or equipment therefor
62a	Airships, balloons
62a-1 62a-2	Balloons without engines Captive balloons Free balloons
	Pressure-type airships
62a-3 62a-4/01 62a-4/02	Pressure-type airships without envelope stiffening, non-rigid airships Pressure-type airships with envelope stiffening, semi-rigid airships Pressure jacket outer covers
	Rigid airships
62a-5	Structural elements (for airplanes 62b-24/01)
62a-6 62a-7	Skeleton structures, outer cover forms Tail assembly (internal structure of tail plane stabilisers and control surfaces 62a-34,
02a-1	62a-35)
62a-8	Outer covers and gas cells, also netting wires (62a-25 – 62a-29)
62a-9 62a-10	Gas shafts and gas exhausts (62a-22 – 62a-24) Cabins and cars in conjunction with frame (62a-36 – 62a-39)
62a-10	Mounting of power plant (62a-32; 62a-33)
62a-12	Other equipment of rigid airships
	Airships with dynamic lifting means
62a-13/01	Airships with wings
62a-13/02 62a-14	Airplanes, weight diminished by buoyant gas Airships with lifting rotors and other power-source driven lifting means
02d-14	
62a-15	Miscellaneous airship outer cover structures Outer cover forms, general
62a-16	Outer covers of variable shape
62a-17	Outer covers of variable position
	Gas filling
62a-18/01	Lifting gas types, including hot air and air rarefaction
62a-18/02 62a-19/01	Power gas types Means for changing the buoyancy of lifting gases; heating, cooling
02α-10/01	means for onanging the buoyancy of inting gases, fleating, cooling

62a-19/02 62a-20 62a-21	Airships with buoyancy derived from vacuum Fire protection, protective gases Gas filling installations and processes
62a-22 62a-23 62a-24	Means for discharging lifting gas Valves (62a-9) Rip panels (62a-9) Gas shafts, exhaust devices (62a-9)
62a-25 62a-26 62a-27 62a-28 62a-29	Envelope materials and rigging Materials for rigid envelopes (62a-8) Fabric envelopes: rubberised, impregnated, metalised (62a-3; 62a-4) Hide envelopes Other envelopes Rigging and fastening means
62a-30 62a-31	Ballast and water recovery Ballast containers Water recovery
62a-32 62a-33/01 62a-33/02 62a-33/03	Airship power plants (for other aircraft 62c-1 – 62c-15) Arrangement and installation of engines Propeller arrangement (propellers 62c-1 – 62c-11) Rotary lifting bodies with propelling surfaces mounted on periphery; propeller airships (propellers with full thread 62c-8) Tubular airships (propellers with airflow guiding housing 62c-9)
62a-34 62a-35	Airship control and balance regulation means (for airplanes 62b-11 – 62b-16) Controls Balance regulation
62a-36 62a-37 62a-38 62a-39	Car arrangement and substructure Cars, general Movable cars: pivotable, retractable, lowerable, droppable Car spring systems, protective devices, landing and floating gears Cabins
62a-40 62a-41/01 62a-41/02 62a-42	Airship mooring and transporting devices Airship anchors Mooring masts and auxiliary devices for mooring in the open, mooring vehicles Means for moving airships into or out of hangars (airship hangars 37f-8) Auxiliary mooring and transporting devices
62a-43 62a-44	Other devices on airships Airships for special purposes, e.g. for land surveying and irrigation; safety devices on outer covers Air trajectories with gas-filled outer covers
62a-46	Miscellaneous
62a1	(IPC: B64B) Lighter-than-air aircraft
62a1-1/00 62a1-1/02 62a1-1/04 62a1-1/06 62a1-1/10 62a1-1/10	Lighter-than-air aircraft Non-rigid airships (62a1-1/58 takes precedence; balloons 62a1-1/40) the profile being maintained by ties or cords connecting opposite surfaces Rigid airships; Semi-rigid airships (62a1-1/58 takes precedence) Framework construction Tail unit construction (62a1-1/12 takes precedence) Movable control surfaces

62a1-1/14	Outer covering
62a1-1/16	rigid
62a1-1/18	Attachment to structure
62a1-1/20	provided with wings or stabilising surfaces
62a1-1/22	Arrangement of cabins or gondolas
62a1-1/24	Arrangement of propulsion plant (62a1-1/34 takes precedence)
62a1-1/26	housed in ducts
62a1-1/28	housed in nacelles
62a1-1/30	Arrangement of propellers
62a1-1/32 62a1-1/34	surrounding hull
62a1-1/34 62a1-1/36	of lifting propellers Arrangement of jet reaction apparatus for propulsion or directional control
62a1-1/38	Controlling position of centre of gravity
62a1-1/30	. Balloons (62a1-1/58 takes precedence; toy balloons 77f-27/10)
62a1-1/42	Construction or attachment of stabilising surfaces
62a1-1/44	adapted to maintain predetermined altitude
62a1-1/46	associated with apparatus to cause bursting
62a1-1/48	to enable load to be dropped by parachute
62a1-1/50	Captive balloons
62a1-1/52	attaching trailing entanglements
62a1-1/54	connecting two or more balloons in superimposed relationship
62a1-1/56	stabilised by rotary motion
62a1-1/58	. Arrangements or construction of gas-bags; Filling arrangements
62a1-1/60	. Gas-bags surrounded by separate containers of inert gas
62a1-1/62	Controlling gas pressure, heating, cooling, or discharging gas
62a1-1/64	Gas-valve operating mechanisms
62a1-1/66	. Mooring attachments (mooring masts 62a4)
62a1-1/68	. Water flotation gear
62a1-1/70	. Ballasting arrangements
62a2	(IDC: DCAC) Asymptomes Heliconters (six sushing vahiolog CCh)
UZaZ	(IPC: B64C) Aeroplanes; Helicopters (air-cushion vehicles 62b)
	ictures or fairings (boundary-layer controls 62a2-21/00)
	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck
Aircraft stru	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3)
Aircraft stru 62a2-1/00	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06 62a2-1/08	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons Geodetic or other open-frame structures
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06 62a2-1/08 62a2-1/10	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06 62a2-1/10 62a2-1/10 62a2-1/12	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls . Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels . Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/08 62a2-1/10 62a2-1/12 62a2-1/14	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls . Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels . Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06)
Aircraft stru 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/16	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) specially adapted for mounting power plant
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/08 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/20 62a2-1/20	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) specially adapted for mounting power plant Floors specially adapted for freight Other structures integral with fuselages to facilitate loading
62a2-1/00 62a2-1/00 62a2-1/04 62a2-1/06 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/20 62a2-1/20 62a2-1/20 62a2-1/22	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) specially adapted for mounting power plant Floors specially adapted for freight Other structures integral with fuselages to facilitate loading Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00)
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/08 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/18 62a2-1/20 62a2-1/24 62a2-1/24 62a2-1/26	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) specially adapted for mounting power plant Floors specially adapted for freight Other structures integral with fuselages to facilitate loading Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00) Attaching the wing or tail units or stabilising surfaces
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/08 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/18 62a2-1/20 62a2-1/22 62a2-1/24 62a2-1/26 62a2-1/28	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) Multiple fuselages; Tail booms constructed as flying-boat hulls Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) specially adapted for mounting power plant Floors specially adapted for freight Other structures integral with fuselages to facilitate loading Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00) Attaching the wing or tail units or stabilising surfaces Parts of fuselage relatively movable to improve pilots view
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/08 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/20 62a2-1/20 62a2-1/20 62a2-1/28 62a2-1/28 62a2-1/30	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls . Frames; Stringers; Longerons . Geodetic or other open-frame structures . Bulkheads . Construction or attachment of skin panels . Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) . specially adapted for mounting power plant . Floors . specially adapted for freight . Other structures integral with fuselages to facilitate loading . Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00) . Attaching the wing or tail units or stabilising surfaces . Parts of fuselage relatively movable to improve pilots view . Parts of fuselage relatively movable to reduce overall size for storage
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/08 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/18 62a2-1/20 62a2-1/20 62a2-1/20 62a2-1/28 62a2-1/28 62a2-1/30 62a2-1/30	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls . Frames; Stringers; Longerons . Geodetic or other open-frame structures . Bulkheads . Construction or attachment of skin panels . Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) . specially adapted for mounting power plant . Floors . specially adapted for freight . Other structures integral with fuselages to facilitate loading . Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00) . Attaching the wing or tail units or stabilising surfaces . Parts of fuselage relatively movable to improve pilots view . Parts of fuselage relatively movable to reduce overall size for storage . Severable or jettisonable parts of fuselage facilitating emergency escape (ejector seats 62a3-25/10)
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/18 62a2-1/20 62a2-1/20 62a2-1/24 62a2-1/28 62a2-1/28 62a2-1/30 62a2-1/32	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls . Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels . Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) . specially adapted for mounting power plant . Floors . specially adapted for freight . Other structures integral with fuselages to facilitate loading . Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00) . Attaching the wing or tail units or stabilising surfaces . Parts of fuselage relatively movable to improve pilots view . Parts of fuselage relatively movable to reduce overall size for storage . Severable or jettisonable parts of fuselage facilitating emergency escape (ejector seats 62a3-25/10) . comprising inflatable structural components
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/08 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/18 62a2-1/20 62a2-1/20 62a2-1/24 62a2-1/28 62a2-1/28 62a2-1/30 62a2-1/32 62a2-1/36	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls . Frames; Stringers; Longerons . Geodetic or other open-frame structures . Bulkheads . Construction or attachment of skin panels . Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) . specially adapted for mounting power plant . Floors . specially adapted for freight . Other structures integral with fuselages to facilitate loading . Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00) . Attaching the wing or tail units or stabilising surfaces . Parts of fuselage relatively movable to improve pilots view . Parts of fuselage relatively movable to reduce overall size for storage . Severable or jettisonable parts of fuselage facilitating emergency escape (ejector seats 62a3-25/10) . comprising inflatable structural components . adapted to receive aerials or radomes (aerials or radomes per se 21a4)
Aircraft strue 62a2-1/00 62a2-1/02 62a2-1/04 62a2-1/06 62a2-1/10 62a2-1/12 62a2-1/14 62a2-1/18 62a2-1/18 62a2-1/20 62a2-1/20 62a2-1/24 62a2-1/28 62a2-1/28 62a2-1/30 62a2-1/32	Fuselages; Constructional features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like (aerodynamic features common to fuselages, wings, stabilising surfaces, and the like 62a2-23/00; flight-deck installations 62a3) . Multiple fuselages; Tail booms . constructed as flying-boat hulls . Frames; Stringers; Longerons Geodetic or other open-frame structures Bulkheads Construction or attachment of skin panels . Windows; Doors; Hatch covers or access panels; Surrounding frame structures; Canopies; Windscreens (fairings movable in conjunction with undercarriage elements 62a2-25/16; bomb doors 62a3-1/06) . specially adapted for mounting power plant . Floors . specially adapted for freight . Other structures integral with fuselages to facilitate loading . Steps mounted on, and retractable within, fuselages (readily removable 62a3-9/00) . Attaching the wing or tail units or stabilising surfaces . Parts of fuselage relatively movable to improve pilots view . Parts of fuselage relatively movable to reduce overall size for storage . Severable or jettisonable parts of fuselage facilitating emergency escape (ejector seats 62a3-25/10) . comprising inflatable structural components

62a2-3/00	Wings (ornithopter wings 62a2-33/02)
62a2-3/02	. of all-wing aircraft
62a2-3/04	. of supersonic aircraft
62a2-3/06	. Multiplane wings
62a2-3/08	Tandem plane wings
62a2-3/10	. Shape of wings
62a2-3/12	Disc or ring shape
62a2-3/14	Aerofoil profile
62a2-3/16	Frontal aspect
62a2-3/18	. Spars; Ribs; Stringers (attaching wing unit to fuselage 62a2-1/26)
62a2-3/20	. Integral or sandwich constructions
62a2-3/22	. Geodetic or other open-frame structures
62a2-3/24	. Moulded or cast structures
62a2-3/26	. Construction, shape, or attachment of separate skins, e.g. panels
62a2-3/28	. Leading or trailing edges attached to primary structures, e.g. forming fixed slots
62a2-3/30	. comprising inflatable structural components
62a2-3/32	. specially adapted for mounting power plant
62a2-3/34	. Integrally-constructed tanks, e.g. for fuel (other aircraft fuel tanks or fuel systems 62a3)
62a2-3/36	. Structures adapted to reduce effects of aerodynamic or other external heating
62a2-3/38	. Adjustment of complete wings or parts thereof (adjustable stabilising surfaces
	62a2-5/00)
62a2-3/40	Varying angle of sweep
62a2-3/42	Adjusting about chordwise axes
62a2-3/44	Varying camber
62a2-3/46	by inflatable elements
62a2-3/48	by relatively-movable parts of wing structures
62a2-3/50	by leading or trailing edge flaps (ailerons 62a2-9/00)
62a2-3/52	Warping
62a2-3/54	Varying in area (flaps extendable to increase camber 62a2-3/44)
62a2-3/56	Folding or collapsing to reduce overall dimensions of aircraft
62a2-3/56 62a2-3/58	
62a2-3/58	. Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00)
62a2-3/58 62a2-5/00	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces
62a2-3/58 62a2-5/00 62a2-5/02	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06)
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08)
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/08	Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06	Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/08 62a2-5/10 62a2-5/12	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/08 62a2-5/10	Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/08 62a2-5/10 62a2-5/12	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle Varying angle of sweep
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/10 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16	Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26)
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle Varying angle of sweep about spanwise axes in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle Varying angle of sweep about spanwise axes in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for Nacelles
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/06 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle Varying angle of sweep about spanwise axes in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/00 62a2-7/02	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable for retraction against or within fuselage or nacelle Varying angle of sweep about spanwise axes in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10)
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/00 62a2-9/00	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle Varying angle of sweep about spanwise axes in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) Mounting or supporting thereof with compound dependent movements
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/00 62a2-9/04 62a2-9/06	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) . Mounting or supporting thereof . with compound dependent movements . with two or more independent movements
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/00 62a2-9/00 62a2-9/04 62a2-9/08	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle Varying angle of sweep about spanwise axes in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) Mounting or supporting thereof with compound dependent movements with two or more independent movements bodily displaceable (varying camber of wings 62a2-3/44)
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/00 62a2-9/04 62a2-9/06	 Folding or collapsing to reduce overall dimensions of aircraft provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces Tailplanes (fins 62a2-5/06) Noseplanes Fins (specially for wings 62a2-5/08) mounted on, or supported by, wings adjustable for retraction against or within fuselage or nacelle Varying angle of sweep about spanwise axes in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) Mounting or supporting thereof with compound dependent movements with two or more independent movements bodily displaceable (varying camber of wings 62a2-3/44) one surface adjusted by movement of another, e.g. servo tabs (62a2-9/04 takes
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/00 62a2-9/02 62a2-9/04 62a2-9/08 62a2-9/08 62a2-9/10	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) . Mounting or supporting thereof . with compound dependent movements . with two or more independent movements . bodily displaceable (varying camber of wings 62a2-3/44) . one surface adjusted by movement of another, e.g. servo tabs (62a2-9/04 takes precedence; adjusting surfaces of different type or function 62a2-9/12)
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/02 62a2-9/04 62a2-9/08 62a2-9/08 62a2-9/10	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) . Mounting or supporting thereof . with compound dependent movements . with two or more independent movements . bodily displaceable (varying camber of wings 62a2-3/44) . one surface adjusted by movement of another, e.g. servo tabs (62a2-9/04 takes precedence; adjusting surfaces of different type or function 62a2-9/12) . surfaces of different type or function being simultaneously adjusted
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/02 62a2-9/04 62a2-9/06 62a2-9/08 62a2-9/10 62a2-9/10	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) . Mounting or supporting thereof . with compound dependent movements . with two or more independent movements . bodily displaceable (varying camber of wings 62a2-3/44) . one surface adjusted by movement of another, e.g. servo tabs (62a2-9/04 takes precedence; adjusting surfaces of different type or function 62a2-9/12) . surfaces of different type or function being simultaneously adjusted . forming slots (boundary-layer control 62a2-21/00)
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/02 62a2-9/04 62a2-9/08 62a2-9/08 62a2-9/10 62a2-9/10	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) . Mounting or supporting thereof . with compound dependent movements . with two or more independent movements . bodily displaceable (varying camber of wings 62a2-3/44) . one surface adjusted by movement of another, e.g. servo tabs (62a2-9/04 takes precedence; adjusting surfaces of different type or function being simultaneously adjusted . forming slots (boundary-layer control 62a2-21/00) . at the rear of the wing
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/02 62a2-9/04 62a2-9/04 62a2-9/08 62a2-9/10 62a2-9/10 62a2-9/16 62a2-9/16 62a2-9/18	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) . Mounting or supporting thereof . with compound dependent movements . with two or more independent movements . bodily displaceable (varying camber of wings 62a2-3/44) . one surface adjusted by movement of another, e.g. servo tabs (62a2-9/04 takes precedence; adjusting surfaces of different type or function 62a2-9/12) . surfaces of different type or function being simultaneously adjusted forming slots (boundary-layer control 62a2-21/00) . at the rear of the wing . by single flaps
62a2-3/58 62a2-5/00 62a2-5/02 62a2-5/04 62a2-5/08 62a2-5/10 62a2-5/12 62a2-5/14 62a2-5/16 62a2-5/18 62a2-7/00 62a2-7/02 62a2-9/02 62a2-9/04 62a2-9/08 62a2-9/08 62a2-9/10 62a2-9/10	. Folding or collapsing to reduce overall dimensions of aircraft . provided with fences or spoilers (adjustable for control purposes 62a2-9/00) Stabilising surfaces . Tailplanes (fins 62a2-5/06) . Noseplanes . Fins (specially for wings 62a2-5/08) . mounted on, or supported by, wings . adjustable . for retraction against or within fuselage or nacelle . Varying angle of sweep . about spanwise axes . in area (attaching stabilising surfaces to fuselage 62a2-1/26) Structures or fairings not otherwise provided for . Nacelles Adjustable control surfaces or members, e.g. rudders (trimming stabilising surfaces 62a2-5/10) . Mounting or supporting thereof . with compound dependent movements . with two or more independent movements . bodily displaceable (varying camber of wings 62a2-3/44) . one surface adjusted by movement of another, e.g. servo tabs (62a2-9/04 takes precedence; adjusting surfaces of different type or function being simultaneously adjusted . forming slots (boundary-layer control 62a2-21/00) . at the rear of the wing

62a2-9/24	by single flap
62a2-9/26	by multiple flaps
62a2-9/28	by flaps at both the front and rear of the wing operating in unison
62a2-9/30	. Balancing hinged surfaces, e.g. dynamically
62a2-9/32	. Air braking surfaces (braking by parachutes 62a3-17/80)
62a2-9/34	collapsing or retracting against or within other surfaces or other members
62a2-9/36	the members being fuselages or nacelles
62a2-9/38	. Jet flaps
62a2-11/00	Propellers, e.g. of ducted type; Features common to propellers and
	rotors for rotorcraft (rotors specially adapted for rotorcraft 62a2-27/32)
62a2-11/02	. Hub construction
62a2-11/04	Blade mountings
62a2-11/06	for variable-pitch blades
62a2-11/08	for non-adjustable blades
62a2-11/10	rigid
62a2-11/12	flexible
62a2-11/14	Spinners
62a2-11/16	. Blades
62a2-11/18	Aerodynamic features
62a2-11/20	Constructional features
62a2-11/22	Solid blades Hollow blades
62a2-11/24 62a2-11/26	Fabricated blades
62a2-11/28	Collapsible or foldable blades
62a2-11/30	. Blade pitch-changing mechanisms
62a2-11/32	mechanical
62a2-11/34	automatic
62a2-11/36	non-automatic
62a2-11/38	fluid, e.g. hydraulic
·	
62a2-11/40	automatic
	automatic non-automatic
62a2-11/40 62a2-11/42 62a2-11/44	automatic non-automatic electric
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers Units of two or more coaxial propellers
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers Units of two or more coaxial propellers
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/02 62a2-13/04 62a2-13/06	automatic non-automatic leectric . Arrangements of, or constructional features peculiar to, multiple propellers Units of two or more coaxial propellers Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means actuated personally adjustable to suit individual persons
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/02 62a2-13/04 62a2-13/06 62a2-13/08	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers Units of two or more coaxial propellers Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means actuated personally adjustable to suit individual persons Trimming zero positions
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/02 62a2-13/04 62a2-13/06 62a2-13/08 62a2-13/10	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers Units of two or more coaxial propellers Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means actuated personally adjustable to suit individual persons Trimming zero positions comprising warning devices
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/02 62a2-13/04 62a2-13/08 62a2-13/10 62a2-13/10 62a2-13/10	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons Trimming zero positions comprising warning devices Dual control apparatus
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/08 62a2-13/10 62a2-13/10 62a2-13/14	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons Trimming zero positions comprising warning devices Dual control apparatus lockable (locking in position to suit individual persons 62a2-13/06)
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/14	 automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/14 62a2-13/16 62a2-13/18	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/02 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/18	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/02 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/10 62a2-13/14 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/20	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/24	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/08 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/20	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/24	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means . without power amplification or where power amplification is irrelevant
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/08 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/24 62a2-13/24 62a2-13/26 62a2-13/28	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control Transmitting means . without power amplification or where power amplification is irrelevant . mechanical
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/08 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/20 62a2-13/24 62a2-13/26 62a2-13/28 62a2-13/28 62a2-13/30	automatic non-automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means . without power amplification or where power amplification is irrelevant . mechanical . using cable, chain, or rod mechanisms . using cam mechanisms . using toothed gearing
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/20 62a2-13/20 62a2-13/30 62a2-13/30 62a2-13/30 62a2-13/30 62a2-13/30 62a2-13/36	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means . without power amplification or where power amplification is irrelevant . mechanical . using cable, chain, or rod mechanisms . using cam mechanisms . using toothed gearing . fluid
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/08 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/24 62a2-13/24 62a2-13/24 62a2-13/36 62a2-13/36 62a2-13/36 62a2-13/36 62a2-13/38	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means . without power amplification or where power amplification is irrelevant . mechanical . using cam mechanisms . using cam mechanisms . using toothed gearing . fluid . with power amplification
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/10 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/20 62a2-13/24 62a2-13/26 62a2-13/30 62a2-13/30 62a2-13/36 62a2-13/36 62a2-13/38 62a2-13/38 62a2-13/38 62a2-13/40	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means . without power amplification or where power amplification is irrelevant . mechanical . using cable, chain, or rod mechanisms . using cam mechanisms . using toothed gearing . fluid . with power amplification . using fluid pressure
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/12 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/20 62a2-13/24 62a2-13/30 62a2-13/30 62a2-13/34 62a2-13/36 62a2-13/38 62a2-13/38 62a2-13/40 62a2-13/40 62a2-13/40	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means . without power amplification or where power amplification is irrelevant . mechanical . using cable, chain, or rod mechanisms . using toothed gearing . fluid . with power amplification . using fluid pressure . having duplication or stand-by provisions
62a2-11/40 62a2-11/42 62a2-11/44 62a2-11/46 62a2-11/48 62a2-11/50 62a2-13/00 62a2-13/04 62a2-13/06 62a2-13/10 62a2-13/10 62a2-13/14 62a2-13/16 62a2-13/18 62a2-13/18 62a2-13/20 62a2-13/20 62a2-13/20 62a2-13/24 62a2-13/26 62a2-13/30 62a2-13/30 62a2-13/36 62a2-13/36 62a2-13/38 62a2-13/38 62a2-13/38 62a2-13/40	automatic non-automatic electric . Arrangements of, or constructional features peculiar to, multiple propellers . Units of two or more coaxial propellers . Phase synchronisation between multiple propellers Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers . Initiating means . actuated personally . adjustable to suit individual persons . Trimming zero positions . comprising warning devices . Dual control apparatus . lockable (locking in position to suit individual persons 62a2-13/06) . actuated automatically, e.g. responsive to gust detectors . using automatic pilot . using radiated signals . readily revertible to personal control . Transmitting means . without power amplification or where power amplification is irrelevant . mechanical . using cable, chain, or rod mechanisms . using cam mechanisms . using toothed gearing . fluid . with power amplification . using fluid pressure

62a2-13/46 62a2-13/48 62a2-13/50	with artificial feel characterised by the fluid being gaseous using electrical energy
62a2-15/00 62a2-15/02 62a2-15/04 62a2-15/06 62a2-15/08 62a2-15/10 62a2-15/12 62a2-15/14	Attitude, flight direction, or altitude control by jet reaction the jets being propulsion jets the jet-stream being deflected by means of movable elements, e.g. flaps the elements being adjustable nozzles by means of additional jets the power plant being tiltable the jets being other than main propulsion jets (jet flaps 62a2-9/38)
62a2-17/00 62a2-17/02 62a2-17/04 62a2-17/06 62a2-17/08 62a2-17/10	Aircraft stabilisation not otherwise provided for by gravity or inertia-actuated apparatus by pendular bodies by gyroscopic apparatus (automatic-pilot control 62a2-13/18) by ballast supply or discharge (for lighter-than-air aircraft 62a1) Transferring fuel to adjust trim
62a2-19/00 62a2-19/02	Aircraft control not otherwise provided for . Conjoint controls
Influencing a	ir-flow over aircraft surfaces, not otherwise provided for
62a2-21/00	Influencing air-flow over aircraft surfaces by affecting boundary-layer flow (boundary-layer control in general 60c)
62a2-21/02 62a2-21/04 62a2-21/06 62a2-21/08 62a2-21/10	 by use of slot, ducts, porous areas, or the like for blowing (62a2-21/08 takes precedence) for sucking (62a2-21/08 takes precedence) adjustable using other surface properties, e.g. roughness
62a2-23/00 62a2-23/02 62a2-23/04 62a2-23/06 62a2-23/08	Influencing air-flow over aircraft surfaces, not otherwise provided for by means of rotating members of cylindrical or similar form by generating shock waves by generating vortices using Magnus effect
62a2-25/00 62a2-25/02 62a2-25/04 62a2-25/06 62a2-25/10 62a2-25/12 62a2-25/14 62a2-25/16 62a2-25/18 62a2-25/20 62a2-25/22	Alighting gear (air-cushion alighting gear 62b) . Undercarriages . Arrangement or disposition on aircraft . fixed . non-fixed, e.g. jettisonable . retractable, foldable, or the like . sideways . fore-and-aft . Fairings movable in conjunction with undercarriage elements . Operating mechanisms . mechanical . fluid . electric
62a2-25/26 62a2-25/28 62a2-25/30 62a2-25/32 62a2-25/34 62a2-25/36	 Control or locking systems therefor with indicating or warning devices emergency actuated . characterised by the ground or like engaging elements (arrester hooks 62a2-25/68) . wheeled type, e.g. multi-wheeled bogies Arrangements or adaptations of wheels, tyres, or axles in general (construction of wheels or axles 63d; construction of tyres in general 63e-1/01)
62a2-25/38 62a2-25/40 62a2-25/42 62a2-25/44	 . Endless-track type . the elements being rotated before touch-down . Arrangements or adaptations of brakes . Actuating mechanisms

62a2-25/46	Brake regulators for preventing skidding or aircraft somersaulting
62a2-25/48	differentially operated for steering purposes
62a2-25/50	Steerable undercarriages; Shimmy-damping (steering devices applicable to land vehicles 63c-47)
62a2-25/52	Skis or runners
62a2-25/54	Floats
62a2-25/56	inflatable
62a2-25/58	. Arrangements or adaptations of shock-absorbers or springs (shimmy-dampers 62a2-25/50; vehicle suspension arrangements in general 20d, 63c; shock-absorbers per se 47a3)
62a2-25/60	Oleo legs
62a2-25/62	Spring shock-absorbers; Springs
62a2-25/64	using rubber or like elements
62a2-25/66	Convertible alighting gear; Combinations of different kinds of ground or like engaging elements
62a2-25/68	. Arrester hooks (arresting gear, e.g. on aircraft carriers 62a4)
Aircraft kinds	s and components not otherwise provided for
62a2-27/00	Rotorcraft; Rotors peculiar thereto (alighting gear 62a2-25/00)
62a2-27/02	Gyroplanes
62a2-27/04	. Helicopters
62a2-27/06	with single rotor
62a2-27/08	with two or more rotors
62a2-27/10	arranged coaxially
62a2-27/12	Rotor drives
62a2-27/14	Direct drive between power plant and rotor hub
62a2-27/16	Drive of rotors by means, e.g. propellers, mounted on rotor blades
62a2-27/18	the means being jet-reaction apparatus
62a2-27/20	. Rotorcraft characterised by having shrouded rotors, e.g. flying platforms
62a2-27/22	. Compound rotorcraft, i.e. aircraft using in flight the features of both aeroplane and rotorcraft
62a2-27/24	with rotor blades fixed in flight to act as lifting surfaces
62a2-27/26	characterised by provision of fixed wings
62a2-27/28	with forward-propulsion propellers pivotable to act as lifting rotors
62a2-27/30	with provision for reducing drag of inoperative rotor
62a2-27/32	. Rotors (features common to rotors and propellers 62a2-11/00)
62a2-27/34	rigid
62a2-27/36 62a2-27/38	of see-saw type
62a2-27/40	 . having provision for flapping or lag-lead movements of blades characterised by flapping movements (62a2-27/44 takes precedence)
62a2-27/40	characterised by happing movements (62a2-27/44 takes precedence)
62a2-27/44	producing simultaneous change of pitch
62a2-27/46	Blades
62a2-27/48	Root attachment to rotor head
62a2-27/50	Blades foldable to facilitate stowage of aircraft
62a2-27/52	. Tilting of rotor bodily relative to fuselage (of see-saw type construction 62a2-27/36)
62a2-27/54	. Mechanisms for controlling blade adjustment or movement relative to rotor head,
	e.g. lag-lead movement
62a2-27/56	Initiating means, e.g. actuated personally
62a2-27/58	Transmitting means
62a2-27/60	without power amplification
62a2-27/62	with power amplification
62a2-27/64	using fluid pressure
62a2-27/66	under automatic control
62a2-27/68	using electrical energy
62a2-27/70	under automatic control
62a2-27/72	Means acting on blades
62a2-27/74	for adjusting cyclic pitch
62a2-27/76 62a2-27/78	 for adjusting collective pitch in association with pitch adjustment of blades of anti-torque rotor
0202-21110	III association with pitch adjustificnt of blades of anti-torque fotor

62a2-27/80 62a2-27/82	 for differential adjustment of blade pitch between two or more lifting rotors . characterised by the provision of an auxiliary rotor or fluid-jet device for counter-balancing lifting-rotor torque or changing direction of rotorcraft
62a2-29/00	Aircraft capable of landing or taking-off vertically (attitude, flight direction, or altitude control by jet reaction 62a2-15/00; rotorcraft 62a2-27/00; aircushion vehicles 62b)
62a2-29/02 62a2-29/04	having its flight directional axis vertical when groundedcharacterised by jet-reaction propulsion
62a2-31/00 62a2-31/02 62a2-31/04 62a2-31/06	Non-power-driven aircraft . Gliders; Sailplanes . Man-power aircraft (ornithopters 62a2-33/00) . Kites (toy aspects 77f-27/08; towed targets 72e)
62a2-33/00 62a2-33/02	Ornithopters . Wings; Actuating mechanisms therefor
62a2-35/00	Flying-boats; Seaplanes (fuselages constructed as flying-boat hulls 62a2-1/04; other alighting-gear aspects 62a2-25/00)
62a2-37/00 62a2-37/02	Convertible aircraft (amphibious aircraft 62a2-35/00) Flying units formed by separate aircraft (towing, air-refuelling, or aircraft-carrying aircraft 62a3)
62a2-39/00 62a2-39/02	Other aircraft . characterised by special use
62a3	(IPC: B64D) Equipment for fitting in or to aircraft; Parachutes; Arrangements or mounting of power plants or propulsion transmissions
62a3-1/00 62a3-1/02 62a3-1/04 62a3-1/06 62a3-1/10 62a3-1/12 62a3-1/14 62a3-1/16 62a3-1/20 62a3-1/20	Dropping, releasing, or receiving articles, liquids, etc., in flight (with respect to sighting devices 72f takes precedence; parachutes per se 62a3-17/00; refuelling during flight 62a3-39/00) Dropping or releasing articles (jettisonable fuel reservoirs 62a3-37/12) the articles being explosive, e.g. bombs Bomb releasing; Bomb doors the articles being load-carrying devices Releasing Releasing Absorbing landing shocks Dropping powdered, liquid or gaseous matter (jettisoning fuel 62a3-37/26) by spraying, e.g. insecticides (spraying in general 85g) for sky-writing Taking-up articles from earth's surface
62a3-3/00 62a3-3/02	Aircraft adaptations to facilitate towing or being towed (62a3-39/00 takes precedence; ground installations for launching or towing aircraft 62a4; towing ropes per se 73) . for towing targets (towed targets per se 72e)
62a3-5/00	Aircraft transported by aircraft, e.g. for release or re-berthing during flight (flying units formed by separate aircraft 62a2)
62a3-7/00 62a3-7/02	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 62a3-1/00; armaments or mountings therefor per se 72) . the armaments being firearms
62a3-7/02 62a3-7/04 62a3-7/06 62a3-7/08	 the armaments being firearms fixedly mounted movably mounted the armaments being rockets

62a3-9/00	Equipment for handling freight; Equipment for facilitating passenger embarkation or the like (emergency equipment 62a3-17/00, 62a3-19/00, 62a3-25/00; structures integral with fuselage to facilitate loading, fuselage floors specially adapted for freight, steps mounted on, and retractable within, aircraft 62a2; ground installations 62a4)
62a3-11/00	Passenger or crew accommodation; Flight-deck installations not otherwise provided for
62a3-11/02	. Toilet fittings (of general application 34k)
62a3-11/04	. Galleys
62a3-11/06	. Arrangements or adaptations of seats (seat constructions for emergency purposes 62a3-25/04)
62a3-13/00	Arrangements or adaptations of air-treatment apparatus for aircraft crew or passenger, or freight space (respiratory apparatus or component parts thereof for high-altitude aircraft 61a; for vehicles in general 20c)
62a3-13/02	. the air being pressurised
62a3-13/04	Automatic control of pressure
62a3-13/06	the air being conditioned (pressurising 62a3-13/02)
62a3-13/08	the air being heated or cooled
62a3-15/00	De-icing or preventing icing on exterior surfaces of aircraft (motor vehicles specially adapted for carrying de-icing equipment 63c-58/20)
62a3-15/02	. by ducted hot gas or liquid
62a3-15/04	Hot gas application
62a3-15/06	Liquid application (in general 85)
62a3-15/08	exuded from surface
62a3-15/10	sprayed over surface
62a3-15/12	. by electric heating (electric heating elements in general 21h)
62a3-15/14	controlled cyclically along length of surface
62a3-15/16	by mechanical means, e.g. pulsating mats or shoes attached to, or built into, surface
62a3-15/18	the surface being an aerofoil, rotor, or propeller
62a3-15/20 62a3-15/22	Means for detecting icing or initiating de-icing Automatic initiation by icing detector
62a3-17/00	Parachutes (non-canopied parachutes 62a3-19/00)
62a3-17/02	. Canopy arrangement or construction
62a3-17/04	formed with two or more canopies arranged about a common axis
62a3-17/06	formed with two or more canopies arranged in a cluster
62a3-17/08	Secondary or shock-absorbing canopies attached to load line
62a3-17/10	Ribbon construction
62a3-17/12 62a3-17/14	 constructed to provide variable or non-uniform porosity over area of canopy with skirt or air-deflecting panels
62a3-17/16	secured to hem of main canopy
62a3-17/18	Vent arrangement or construction
62a3-17/20	variable in area
62a3-17/22	. Load suspension
62a3-17/24	Rigging lines
62a3-17/26	attached to hem of canopy
62a3-17/28	attached to apex of canopy
62a3-17/30	Harness
62a3-17/32	Construction of quick-release box
62a3-17/34	adapted to control direction or rate of descent
62a3-17/36	incorporating friction devices or frangible connections to reduce shock loading of
62a3-17/38	canopy Releasable fastening devices between parachute and load or pack
62a3-17/40	. Packs
62a3-17/42	rigid
62a3-17/44	forming part of load
62a3-17/46	Closing means
62a3-17/48	with separate pack for extractor of auxiliary parachute

62a3-17/50	formed with separate compartments for main canopy, rigging lines, or auxiliary parachute
62a3-17/52	Opening, e.g. manual
62a3-17/54	automatic
62a3-17/56	responsive to barometric pressure
62a3-17/58	responsive to time-delay mechanism
62a3-17/60	by static line
62a3-17/62	. Deployment
62a3-17/64	by extractor parachute
62a3-17/66	attached to hem of main canopy
62a3-17/68	attached to apex of main canopy
62a3-17/70 62a3-17/72	by springs by explosive or inflatable means
62a3-17/74	Sequential deployment of a plurality of canopies
62a3-17/76	facilitated by method of folding or packing
62a3-17/78	. in association with other load-retarding apparatus
62a3-17/80	. in association with aircraft, e.g. for braking thereof
62a3-19/00	Non-canopied parachutes
62a3-19/02	. Rotary-wing parachutes
62a3-21/00	Testing of parachutes
62a3-23/00	Training of parachutists
62a3-25/00	Emergency apparatus or devices, not otherwise provided for (parachutes
0240 20/00	62a3-17/00, 62a3-19/00; jettisoning of fuel 62a3-37/26; severable or
	jettisonable parts of fuselage facilitating emergency escape 62a2)
62a3-25/02	. Supports or holding means for living bodies
62a3-25/04	Seat modifications
62a3-25/06	Harnessing
62a3-25/08	. Ejecting or escaping means (escape apertures 62a2)
62a3-25/10	Ejector seats
62a3-25/12	Ejectable capsules
62a3-25/14	Inflatable escape chutes
62a3-25/16 62a3-25/18	Dinghy stowage
62a3-25/20	Flotation gear (aircraft alighting gear 62a2) Releasing of crash-position indicators
62a3-27/00	Arrangement or mounting of power plant in aircraft; Aircraft
0240 21700	characterised thereby (attitude, flight-direction, or altitude control of aircraft
	by jet reaction 62a2)
62a3-27/02	. Aircraft characterised by the type or position of power plant (fuselages or wings
0_00	adapted for mounting power plant 62a2)
62a3-27/04	of piston type
62a3-27/06	within, or attached to, wing
62a3-27/08	within, or attached to, fuselage
62a3-27/10	of gas-turbine type (62a3-27/16 takes precedence)
62a3-27/12	within, or attached to, wing
62a3-27/14	within, or attached to, fuselage
62a3-27/16 62a3-27/18	of jet type within, or attached to, wing
62a3-27/10	within, or attached to, fuselage
62a3-27/22	using atomic energy
62a3-27/24	using steam, electricity, or spring force (62a3-27/16 takes precedence)
62a3-27/26	. Aircraft characterised by construction of power-plant mounting
62a3-29/00	Power-plant nacelles, fairings, or cowlings (nacelles not otherwise
	provided for 62a2)
62a3-29/02	. associated with wings (wings adapted for mounting power plant 62a2)
62a3-29/04	. associated with fuselages
62a3-29/06	. Attaching of nacelles, fairings, or cowlings

62a3-29/08	. Inspection panels for power plants
62a3-31/00 62a3-31/02 62a3-31/04 62a3-31/06 62a3-31/10 62a3-31/10	Power plant control; Arrangement thereof (flying controls 62a2) . Initiating means actuated personally actuated automatically for keeping cruising speed constant (conjoint control of power plant and propeller 62a2) for preventing asymmetric thrust upon failure of one power plant for equalising or synchronising power plants
62a3-31/14	. Transmitting means between initiating means and power plants
62a3-33/00 62a3-33/02 62a3-33/04 62a3-33/06 62a3-33/10 62a3-33/12	Arrangements in aircraft of power plant parts or auxiliaries not otherwise provided for . Combustion air intakes . Exhaust outlets; jet pipes (attitude, flight direction, or altitude control by jet reaction 62a2) . Silencing exhaust or propulsion jets (ground installations 62a4) . Cooling of power plant . Radiator arrangement of retractable type
62a3-35/00 62a3-35/02 62a3-35/04 62a3-35/06 62a3-35/08	Transmitting power from power plant to propellers or rotors; Arrangements of transmissions (propellers or rotors per se, helicopter transmissions 62a2) . characterised by the type of power plant . characterised by the transmission driving a plurality of propellers or rotors the propellers or rotors being counter-rotating . characterised by the transmission being driven by a plurality of power plants
62a3-37/00	Aircraft modifications or fittings in connection with fuel supply for power
62a3-37/02 62a3-37/04 62a3-37/06 62a3-37/10 62a3-37/12 62a3-37/14 62a3-37/16 62a3-37/18 62a3-37/20 62a3-37/22 62a3-37/24 62a3-37/26 62a3-37/28 62a3-37/30 62a3-37/30	plant (refuelling during flight 62a3-39/00) Tanks (tanks constructed integrally with aircraft wings 62a2; shape or construction of tanks per se 81c) Arrangement thereof in or on aircraft Constructional adaptations thereof Internal partitioning Internal partition Internal partit Internal partition Internal partition Internal partition In
62a3-39/00 62a3-39/02 62a3-39/04 62a3-39/06	Refuelling during flight (filling or emptying fuel tanks 62a3-37/14) . Means for paying-in or out hose . Adaptations of hose construction (pipes in general 47f1) . Connecting hose to aircraft; Disconnecting hose therefrom
62a3-41/00	Power installations for auxiliary purposes
62a3-43/00	Arrangements or adaptations of instruments (arrangements of cameras 62a3-47/08; aeronautical measuring instruments per se 42c)
62a3-43/02	for indicating aircraft speed or stalling conditions

62a3-45/00 62a3-45/02 62a3-45/04 62a3-45/06 62a3-45/08	Aircraft indicators or protectors not otherwise provided for . Lightning protectors; Static dischargers (in general 21c) . Landing aids; Safety measures to prevent collision with earth's surface . mechanical . optical
62a3-47/00 62a3-47/02 62a3-47/04 62a3-47/06 62a3-47/08	Equipment not otherwise provided for . Arrangements or adaptations of signal or lighting devices . the lighting devices being primarily intended to illuminate the way ahead . for indicating aircraft presence . Arrangements of cameras
62a4	(IPC: B64F) Ground or aircraft-carrier-deck installations
	Note: The term "installations" in this subclass embraces equipment, peculiar to use in connection with aircraft and not fitted in aircraft.
62a4-1/00 62a4-1/02	Ground or aircraft-carrier-deck installations (specially adapted for captive aircraft 62a4-3/00; aircraft-carriers per se 65g; fog-dispersal installations 19b-13/00; wind tunnels 42k-20; grounded flight trainers 62c-27/03) . Arresting gear; Liquid barriers
62a4-1/04	. Launching or towing gear (railway aspects 20; aircraft towing aircraft 62a3-3/00; weapon launching gear 72b-6/01)
62a4-1/06 62a4-1/08	using catapults
62a4-1/06	using winches using self-propelled vehicles
62a4-1/12	. Anchoring
62a4-1/14	Towers or masts for mooring airships or balloons (building aspects 37f-15/22)
62a4-1/16 62a4-1/18	. Pickets or ground anchors; Wheel chocks. Visual or acoustic landing aids (optical or acoustic signalling in general 74d)
62a4-1/20	Arrangement of optical beacons
62a4-1/22	. installed for handling aircraft
62a4-1/24 62a4-1/26	. Adaptations of turntables. for reducing engine or jet noise; Protecting aerodromes from jet erosion
62a4-1/28	. Liquid-handling installations specially adapted for fuelling stationary aircraft (liquid handling in general 64a)
62a4-1/30	. for embarking or disembarking passengers
62a4-1/32 62a4-1/34	. for handling freight . for starting propulsion plant
62a4-1/36	. Other aerodrome installations (construction of, and surfacing for, airfields 19c)
62a4-3/00	Ground installations specially adapted for captive aircraft (railway aspects
	20)
62a4-3/02	. with means for supplying electricity to aircraft during flight
62a4-5/00	Designing, manufacturing, assembling, cleaning, maintaining, or repairing aircraft, not otherwise provided for
62b	Aeroplanes, power-driven aircraft (kites and toy aircraft 77f-28, 77f-27/00), air cushion vehicles
	Aircraft without power drive
62b-1/01	Kites
62b-1/02	Kite fastenings
62b-1/03	Kite frames
62b-2	Gliders and sailplanes, general (elements 62b-3 – 62b-24, 62b-40 – 62b-47)
	Airframes and control arrangements for power-driven aircraft (power plants 62c-1 – 62c-15)
62b-3/01	Fuselage shapes
62b-3/02	Fuselage arrangements

62b-3/03	Fuselage structures (62b-4/09; 62b-24/01; 62b-24/02; 62b-43/01; 62b-45/02)
62b-3/04	Fuselages with folding and detachable parts
62b-3/05	Pressurised cabins for high-altitude aircraft (power plants for high-altitude aircraft 62c-12/03)
62b-3/10	Other devices on fuselages
62b-4/01	Wing shapes
62b-4/02	Tail-less aircraft, general (controls 62b-15)
62b-4/03	Wing with nozzle-shaped slots (62b-15/02)
62b-4/04	Wings with devices for sucking in and blowing off the boundary layer (65f1-6)
62b-4/08	Other devices on wings to control the air flow, including lift flaps, lift flaps serving as ailerons and actuating rods therefor (63b-37/01; braking surfaces 62b-47/03)
62b-4/09	Wing structures (62b-3/03; 62b-24/01; 62b-24/02)
62b-4/10	Wings and fuselage coverings (62b-24/04)
62b-4/20	Other devices on wings
62b-5/01	Wing arrangements, general
62b-5/02	Wing arrangement in direction of flight
62b-5/03	Connections between fuselages and wings, general (flexible suspension of wings 62b-6/06)
62b-5/04	Folding and detachable wings
62b-5/05	Rigid braces (non-rigid braces 62b-24/03)
62b-5/06	Airframe structure auxiliary devices
62b-6/01	Wings adjustable about axes transverse to the flight direction
62b-6/02	Wings adjustable about axes lying in the flight direction
62b-6/03	Wings adjustable about vertical axes
62b-6/04	Wings adjustable about vertical axes
62b-6/05	Interdependent adjustment of wings and tail assembly elements
62b-6/06	Flexible suspended wings
62b-6/07	Sliding wings
62b-7/01	Wings whose size may be altered during flight
62b-7/01	Aircraft, the number of wings of which may be changed in flight
62b-8/01	Wings whose camber may be altered by hand during flight
62b-8/02	
62b-8/03	Wings with automatically variable camber Warping wings
62b-11/01 62b-11/02	Direct stabilising by means of oscillating or shifting masses (65a2-58) Automatic control by means of oscillating masses acting directly on the shaft-sliding mechanism
62b-11/03	Automatic control by means of oscillating masses acting directly on a servomotor (inclinometers 42c-25/01)
62b-12/01	Direct stabilisation by means of inertia masses (42c-25; 65a2-55)
62b-12/01	·
020-12/02	Automatic control by means of gyroscope acting directly or indirectly on the shaft-sliding mechanism (gyroscope structures 42c-25/50; radio navigation 21a4-48/41 – 21a4-48/55)
62b-13/01	Direct automatic stabilising by use of special auxiliary surfaces (manual control surfaces 62b-15)
62b-13/02	Automatic control by means of flow sensitive elements acting directly or indirectly on the shaft-sliding mechanism, e.g. wind sensitive surfaces, pressure sensitive cells, and the like (structure of devices 42c)
	Other automatic controls (landing 62c-25; remote control 62c-29) with reference to
62b-14/01	the use of special control indicators or of their special elements, magnetic compass and accelerometer controls or the like (structure of instruments 42c)
62b-14/02	simultaneous action of several impulses on control devices
62b-14/03	arbitrary displacements of the standard position, e.g. during turns

60b 14/04	race very
62b-14/04 62b-14/09	recovery unmanned aircraft, such as towed craft, aerial torpedoes, gliders, or the like (gliders,
020-14/09	general 62b-2; towed aircraft in general 62c-30/20; water torpedoes 65d, attack missile structure 72d)
62b-14/10	Miscellaneous, e. g. automatic trimming, automatic piloting with simultaneous manual control
62b-15/01	Control arrangements, general
62b-15/02	Wing-mounted airfoils for lateral and elevator control and their actuation (62b-4/03)
62b-15/03	Rudder and fin structure and mounting, adjustable fins (62b-4/09)
62b-15/04	Flexible and warping control surfaces
62b-15/05	Rudder with auxiliary surfaces to facilitate rudder motion
62b-15/06	Canard aircraft
62b-15/10	Other tail assembly devices
62b-16/01	Control sticks, control columns, pedals
62b-16/02	Control gears for tail assemblies and ailerons serving as landing flaps, also adjustable by servomotor
62b-16/03	Several rudders moved by one control member pivotable in several directions
62b-16/04	Dual controls, also for instructional purposes (other devices for flight instruction 62c-27/03)
62b-22/01	Arrangement and mounting of weapons (synchronisation devices for guns firing through the propeller 72h-7/02)
62b-22/02	Revolving gun mounts for aircraft armament
62b-24/01	Structural details and connections (37b-3/01; 37b-3/02; 62a-5; 62b-3/03; 62b-4/09; 62b-5/05)
62b-24/02	Skeleton structure joints and bracing members (37b-3/01; 37b-3/02; 62a-5; 62b-3/03; 62b-4/09; 62b-5/03; 62b-5/05; 62b-24/03)
62b-24/03	Non-rigid bracing members (rigid bracing members 62b-5/05; turnbuckles 47d-12)
62b-24/04	Materials for the manufacture of aircraft parts; means for preventing corrosion of structural elements, etc.
62b-24/05	Inspection hole covers
	Rotary-wing aircraft
62b-25/01	Helicopters: rotary-wing aircraft with mechanically driven propeller
62b-25/02	Gyroplanes: rotary-wing aircraft with propellers driven by the air stream during flight, general structure
62b-25/03	Other equipment of gyroplanes
62b-25/04	Helicopters with wings lockable in position as airfoils
62b-26/01	Helicopters with variable wing pitch and shape
62b-26/02	Helicopters with periodic motion relative to the air
62b-26/03	Helicopters with means to prevent restoring moment
62b-27	Helicopters with tilting rotor
62b-28	Helicopters with rotating power plants
62b-29/01	Helicopters with airfoils and parachutes
62b-29/02	Muscle-power driven helicopters
	Flapping-wing aircraft and ornithopters
62b-31/01	Aircraft with flapping wings, general
62b-31/02	Aircraft with linearly movable flapping wings, general
62b-31/03	Muscle-power driven flapping wing aircraft and ornithopters
62b-32	Flapping wing aircraft and ornithopters with periodically changing surface area, e.g. by
COL 00	means of flaps, slides, valves, fans, screens, bird-feather-like structures
62b-33	Flapping wing aircraft and ornithopters with adjustable flap or stroke amplitude
62b-34	Flapping wing aircraft and ornithopters with periodically changing flapping wing adjustment, fishtail propellers

	Aircraft with rotary propelling wings, excluding screw propellers (62c-1 – 62c-15; 62b-25 – 62b-29)
62b-35/01 62b-35/02	Paddle wheels, general, especially with non-rotary driving wings and covering caps Propelling wings, periodically rotatable around an axis parallel or at a slight angle to
025 00/02	the axis of rotation: rolling wings
62b-35/03	Propelling wings with periodically variable area
62b-35/04	Propelling wings with periodically variable speed of stroke
62b-36	Propelling wings periodically rotatable about an axis lying at an angle to the axis of rotation: turning wings
	Reaction propulsion for aircraft
62b-37/01	Reaction derived from air forced in tubes and accelerated by means of blowers or the like (tubular airships 62a-33/03; propellers with airflow guiding housing 62c-9/02)
62b-37/02	Reaction derived from gases produced by the combustion of liquid fuels (combustion chamber structures and accessories, general 46g)
62b-37/03	Reaction derived from explosive charges: rockets (46g-1 – 46g-3; retro-rockets
	62b-47/01; firework rockets and rocket mixtures 78d; rocket projectiles 72d-19/01; signal rockets 74d-7)
62b-37/04	Driving devices, e.g. propellers with reaction propulsion (hollow propellers 62c-8)
	Transverse force generation by means of rotors (rotor drives for ships 65f1-6)
62b-38	Cylinders or wing systems with Magnus effect, driven mechanically or by relative wind
	Other devices for generating lift or propulsion
62b-39	Aerodynamic force production by various means, e. g. turbulence, generation of vacuum inertia and centrifugal force devices
	Landing gear
62b-40/01	Aircraft wheels
62b-40/02	Skids
62b-40/03	Tail skids
62b-40/04	Endless belts instead of wheels
62b-40/10	Landing gear spring suspension
62b-40/11	Air springs
62b-40/12	Means for the prevention of nosing over
62b-40/15	Aircraft pneumatic tyres
62b-41/01	Fixed landing gear
62b-41/02	Retractable landing gear (62b-46/02)
62b-41/03	Droppable landing gear
001 40404	Flotation gear
62b-43/01	Floats, general
62b-43/02	Collapsible and inflatable floats
62b-43/03	Additional float accessories
62b-43/04	Float arrangements
62b-44	Aircraft with non-displacing gliding surfaces
62b-45/01	Flying boat shapes
62b-45/02 62b-45/03	Structural elements of flying boats Equipment for increasing stability on water
62b-46/01	Aircraft for water and land: amphibious aircraft
62b-46/02	Amphibious aircraft with retractable wheels
62b-46/03	Roller floats
62b-47/01	Braking devices (47c-17; 47c-18) Stropping and braking devices

62b-47/02	Wheel brakes
62b-47/03	Braking surfaces
62b-47/04	Ground brakes
62b-47/05	Ground feelers
62b-47/06	Aircraft buoys
	Other devices on aircraft
62b-48	Aircraft for use as an automobile, motorcycle, and the like
62b-49	Means for preventing ice formation
62b-50	Miscellaneous
62b-60	Air-cushion vehicles
62c	General aeronautical equipment
	• •
60- 1	Propellers
62c-1	Propeller shapes and blade arrangements
62c-2/01	Wooden propellers, general
62c-2/02	Wooden propellers with edge protection, protective cover or metal reinforcement
62c-3	Metal propellers
62c-4/01	Propeller hubs, general
62c-4/02	Propeller hubs, with blades adjustable while the propeller is motionless (adjustable pitch propellers 62c-5/01)
62c-4/03	Spinners
62c-5/01	Propellers with devices for changing blade pitch or rake during operation: variable- pitch propellers
62c-5/02	Propellers with adjustable blade flaps, with hydraulic ally, pneumatically or electrically controlled adjusting devices, with variable propeller diameter
62c-6/01	Propellers with automatic blade adjustment
62c-6/02	Propellers with non-rigid blades
62c-7	Tilting propellers (tilting power plants 62c-12/02; helicopters with tilting rotors 62b-27)
62c-8	Other propellers: turbo-propellers, steering propellers, propellers with axial blade
	movement, propellers with folding blades, brake propellers, planetary propellers,
	propellers with hollow blades for gas and air passage, propellers with complete
00 - 0/04	threads (62a-33/02), propellers made of materials other than wood and metal
62c-9/01	Additional devices on propellers to improve their effectiveness, including silencing; propellers with cross ribs on the blades, with auxiliary blades or seating surfaces, with
	nozzle-like perforations, with control surfaces, or counter-rotating propellers
62c-9/02	Propellers with annular airflow guiding housing (tubular airships 62a-33/03; tubular
020 0/02	aircraft 62b-37/01)
62c-11	Processes and devices for the manufacture, treatment, testing, etc. of propellers
	(42k-29/01)
	Power plants: power source with propellers; power transmissions
	between engine and propeller; connections between power plant and
	airframe; power plant accessories (for airships 62a, 32, 33; for other aircraft
	62b, 25-39; engine structure 46; piston steam engines 14a; steam turbines 14c)
62c-12/01	Fixed power plants and their installation in airframes; engine cowlings; devices for the
020 12/01	conveyance of cooling air to the engine
62c-12/02	Tiltable power plants and power plants droppable from the airframe during flight
62c-12/03	Power plants and equipment for high-altitude aircraft, general (pressurised cabins for
	high-altitude aircraft 62b-3/05)
62c-12/04	Power transmission between power sources and propellers: gears; fixed and
	detachable connections (47)

62c-12/05	Propulsion engine attachments, including devices for adjusting to the altitude of flight, other power plant arrangements and power transmissions: pneumatic, electric, hydraulic and steam-driven, muscle power and rubber drives, propulsion methods
62c-12/06 62c-12/07	Engine frames or bases, with rigid or elastic intermediate members, fastenings Exhaust manifolds; insofar as modified by, or affecting, the structure of the aircraft; mounting of exhaust manifolds (46c6)
62c-13/01	Radiators and cooling arrangements, preferably for aircraft; additional compensating devices, radiator cowlings; equipment for guiding the relative wind or compressed air to radiators; other fuel cooling devices (17f; 46c4)
62c-13/02	Condenser arrangements for steam and similar power plants (condenser structures 17d)
62c-14/01	Fuel tanks, fuel installations and their arrangement in the airframe; devices for rapidly draining tanks or installations; accessories (fuel pumps driven by impellers 62c-15/02)
62c-14/02	Fuel tanks droppable from the airframe, and detachable connections therefor
62c-14/03	Fuel tanks with protective covers against projectile and other damage
62c-14/04	Other fuel tanks and their arrangement in the airframe
62c-15/01	Equipment: electric and compressed-air plants (driven by impellers 62c-15/02). (stored) engine turning devices; apparatus for releasing drive pulses for remotely controlled devices-fuel and ignition switches with levers and rods; heating and ventilation; means for increasing aircraft safety, e.g. fire extinguishing equipment (61a-17/02); service tools; antenna reels (navigation lights and landing lights 62c-25; installation of measuring and photographic instruments 62c-26; parachutes 62c-21 – 62c-23; means to prevent ice formation (62b-49)
62c-15/02	Other auxiliary engine drives, also impeller driven
	Release devices for combat weapons; aircraft-dropped parachute load carriers; equipment reversal (aerial bombs, torpedoes and other aerial projectiles 72d-19/07, 72d-19/08)
62c-18/01	Releasing mechanisms for bombs, torpedoes and other weapons, insofar as they are integral with the aircraft
62c-18/02	Illuminating flares, mail or cargo bags and the like, droppable from aircraft, especially parachute load carriers, their arrangement aboard the aircraft and releasing devices
62c-20/01	Devices for loading and unloading cargo, e.g. mail, freight, unloading aircraft fuel during flight
62c-20/02	Aircraft-carried devices for pest control, artificial irrigation, fog dispersal, etc. (45f-10; 45k-4/50; 61b-1/03; 62c-20/02; 65a2-72; 65a2-73; 72g-7/04; 78d-1/02)
	Parachutes and other lifesaving devices
62c-21	Frameless parachutes opened by relative speed with means for opening shock reduction, for regulation of the rate of fall and descent, and for guiding; arrangement of parachutes in aircraft
62c-22	Parachutes rapidly unfolded by special auxiliary means, such as rods, springs, compressed air; arrangement of such parachutes in aircraft
62c-23/01	Aircraft convertible into parachute-like devices
62c-23/02	Ejection seats and cabins equipped with parachutes
62c-23/03	Parachute packs or containers; parachute lift webs; straps on pilot and passenger seats; strap fasteners
62c-23/04	Other lifesaving devices: flying suits as lifesaving devices and the like (flying clothes 3b-7, 3b-13/00; harness, packs 33d)
	Other aeronautical devices
62c-24	Arrangement and use of devices for landing and for the prevention of collisions by day, night, and in ground fogs, in water, in the air, or in aircraft, airport installations, airway installations, obstacle indicators (structure of instruments, transmitters and receivers, and general treatment of the following physical problems: optics, heat radiation, acoustics, electricity and especially high-frequency engineering and the like 4b, 21a4-48, 42, 54h, 62b-11 – 62b-14, 62c-29, 74d)

	Arrangement and structure of optical equipment
62c-25/01	In the aircraft
62c-25/02	On or above ground
62c-25/03	Fog and smoke generators in aircraft (signalling in general 74d-10/03; fog dispersal 45f-10, 62c-20/02)
62c-25/04	Fog and smoke generators on the ground (signalling in general, 74d-10/03; fog dispersal 45f-10, 62c-20/02)
62c-25/05	Airport wind-direction indicators (74d-10/04)
	Devices and methods for facilitating landing and preventing collisions
62c-25/06	by optical means (position determination from the ground 42c-39/15, 42c-39/20; see also 42c-40, 74d-8)
62c-25/07	by acoustic means (74d-5; 74d-6)
62c-25/08	by electric means (equipment structure class 21, particularly 21a4-48)
62c-25/10	Miscellaneous, e.g. mechanical land feelers (brake devices 62b-47)
62c-26	Mounting of measuring instruments, photographic apparatus, and the like (instrument structures 42; 72f)
62c-27/01	Devices for facilitating take-off and landing of aircraft: aircraft catapults, etc; tractors, mother aircraft; fixed braking devices (brakes installed in aircraft 62b-47; aircraft carriers, floating platforms 65a1-6)
62c-27/02	Auxiliary airport devices; tail skid trucks, auxiliary and float frames and other equipment for the aircraft recovery or moving to water; fixed or mobile engine turning devices; fuel draining devices and the like (salvage devices on ships 65a1-6; transport vehicles for aircraft 63a-36; aircraft docks 65b-3)
62c-27/03	Flight training devices (dual controls for instruction purposes 62b-16/04; testing vehicle drivers 30a-4/10)
62c-28	Aerial railways: aircraft guided on rails and the like
62c-28	Aerial railways: aircraft guided on rails and the like Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d)
62c-28	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3;
62c-28 62c-29/01	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d)
	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station
62c-29/01	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams
62c-29/01	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight
62c-29/01 62c-29/02	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams
62c-29/01 62c-29/02 62c-29/05	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment
62c-29/01 62c-29/02 62c-29/05 62c-29/06	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment by means of optical acoustic beams by other means e.g. by mechanical connection with towed torpedoes or the like (towed)
62c-29/01 62c-29/02 62c-29/05 62c-29/06 62c-29/10	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment by means of optical acoustic beams by other means e.g. by mechanical connection with towed torpedoes or the like (towed craft in general 62c-30/20)
62c-29/01 62c-29/02 62c-29/05 62c-29/06 62c-29/10 62c-30/01	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment by means of optical acoustic beams by other means e.g. by mechanical connection with towed torpedoes or the like (towed craft in general 62c-30/20) Barrage nets against aerial attack
62c-29/01 62c-29/02 62c-29/05 62c-29/06 62c-29/10 62c-30/01 62c-30/10	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment by means of optical acoustic beams by other means e.g. by mechanical connection with towed torpedoes or the like (towed craft in general 62c-30/20) Barrage nets against aerial attack Means for removal of barrage nets (barrage net destroying projectiles 72d-19/12) Air trains, including towed objects, bombs and other means of attack and suspension and releasing devices (bomb structures 72d-19/07; detonator structures 72i; mine
62c-29/01 62c-29/02 62c-29/05 62c-29/06 62c-29/10 62c-30/01 62c-30/10 62c-30/20	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment by means of optical acoustic beams by other means e.g. by mechanical connection with towed torpedoes or the like (towed craft in general 62c-30/20) Barrage nets against aerial attack Means for removal of barrage nets (barrage net destroying projectiles 72d-19/12) Air trains, including towed objects, bombs and other means of attack and suspension and releasing devices (bomb structures 72d-19/07; detonator structures 72i; mine structures 65e)
62c-29/01 62c-29/02 62c-29/05 62c-29/06 62c-29/10 62c-30/10 62c-30/20	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment by means of optical acoustic beams by other means e.g. by mechanical connection with towed torpedoes or the like (towed craft in general 62c-30/20) Barrage nets against aerial attack Means for removal of barrage nets (barrage net destroying projectiles 72d-19/12) Air trains, including towed objects, bombs and other means of attack and suspension and releasing devices (bomb structures 72d-19/07; detonator structures 72i; mine structures 65e) Miscellaneous
62c-29/01 62c-29/02 62c-29/05 62c-29/06 62c-29/10 62c-30/10 62c-30/20 62c-32	Remote control, including for unmanned aircraft (position determination and instruments, general, in class 21, especially 21a4-48; 21c-47/52; 42c; 74d; stabilisation 62b-11 – 62b-14; landing 62c-25; water torpedoes 65d-3; missile structures 72d) Arbitrary control from a radio control station by means of electromagnetic devices by means of optical or acoustic beams Control determined by the target, target approach flight by means of electromagnetic equipment by means of optical acoustic beams by other means e.g. by mechanical connection with towed torpedoes or the like (towed craft in general 62c-30/20) Barrage nets against aerial attack Means for removal of barrage nets (barrage net destroying projectiles 72d-19/12) Air trains, including towed objects, bombs and other means of attack and suspension and releasing devices (bomb structures 72d-19/07; detonator structures 72i; mine structures 65e) Miscellaneous Space vehicles

62d (IPC: B64G) Cosmonautics; Vehicles or equipment therefor Notes: (1) The term "cosmonautics" in this subclass, includes all transport outside the earth's atmosphere, and thus includes artificial earth satellites, and interplanetary and interstellar travel. (2) This subclass deals only with vehicles, equipment, etc., which are peculiarly adapted for cosmonautics. Thus, vehicles and equipment applicable to both cosmonautics and aeronautics are classified in the appropriate aeronautical subclass of class 62. 62d-1/00 Cosmonautic vehicles: Propelling or controlling thereof; Equipment for use therein; Equipment for crews thereof (cosmonautical measuring instruments, see the relevant classes; protective clothing 3b-13/00) 62d-1/10 . Artificial satellites: Systems of such satellites (radio transmission relay systems 21a) 62d-1/20 . Self-propelled vehicles; Propelling, steering or controlling vehicles (producing a reactive propulsive thrust 46g, 88e) 62d-1/30 . Protecting against or using radiation (62d-1/20 takes precedence) 62d-3/00 Observing or tracking cosmonautic vehicles (radio or analogous wave systems for navigating or tracking 42c, 21a4) Ground equipment for vehicles, e.g. starting towers, fuelling 62d-5/00 **arrangements** (62d-3/00 takes precedence) 62d-7/00 Simulating cosmonautic conditions, e.g. for conditioning or training crews 62d-9/00 Cosmonautics not otherwise provided for