

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### TRANSPORTING

## B63 SHIPS OR OTHER WATERBORNE VESSELS; RELATED EQUIPMENT

### B63B SHIPS OR OTHER WATERBORNE VESSELS; EQUIPMENT FOR SHIPPING ( {amphibious vehicles [B60F 3/00](#); } air-cushion vehicles [B60V](#); arrangements of vessel ventilation, heating, cooling or air conditioning [B63J 2/00](#) )

#### NOTE

In this subclass, the indexing codes [B63B 2201/00](#) - [B63B 2241/00](#) are to be used for relevant technical information concerning particular or unusual use, materials, design, methods or means.

#### WARNINGS

1. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.
2. Groups [B63B 1/00](#) - [B63B 2241/28](#) are incomplete pending reclassification of documents from groups [B63B 2701/00](#) - [B63B 2770/00](#).

All groups listed in this Warning should be considered in order to perform a complete search.

<b>1/00</b>	<b>Hydrodynamic or hydrostatic features of hulls or of hydrofoils</b> (keels <a href="#">B63B 3/38</a> ; determining hydrodynamic or hydrostatic features <a href="#">B63B 9/00</a> ; hulls peculiar to submarines <a href="#">B63B 3/13</a> ; decreasing pitch, roll or like unwanted vessel movements by using foils or acting on ambient water <a href="#">B63B 39/06</a> )	1/107	. . . {Semi-submersibles; Small waterline area multiple hull vessels and the like, e.g. SWATH}
		1/12	. . . the hulls being interconnected rigidly { ( <a href="#">B63B 1/107</a> takes precedence) }
		1/121	. . . . {comprising two hulls ( <a href="#">B63B 1/107</a> takes precedence) }
2001/005	. {Deflectors for spray, e.g. for guiding spray generated at the bow of a planing vessel underneath the hull}	2001/123	. . . . {interconnected by a plurality of beams, or the like members only}
1/02	. deriving lift mainly from water displacement ( <a href="#">B63B 1/16</a> takes precedence)	1/125	. . . . {comprising more than two hulls ( <a href="#">B63B 1/107</a> takes precedence) }
1/04	. . with single hull	2001/126	. . . . {comprising more than three hulls}
1/041	. . . {with disk-shaped hull}	2001/128	. . . . {comprising underwater connectors between the hulls}
1/042	. . . {the underpart of which being partly provided with channels or the like, e.g. catamaran shaped}	1/14	. . . the hulls being interconnected resiliently {or having means for actively varying hull shape or configuration (collapsible, foldable, inflatable or like vessels <a href="#">B63B 7/00</a> ) }
2001/044	. . . {with a small waterline area compared to total displacement, e.g. of semi-submersible type}	2001/145	. . . . {having means for actively varying hull shape or configuration}
2001/045	. . . {with means for actively varying hull shape or configuration, e.g. for varying hydrodynamic characteristics}	1/16	. deriving additional lift from hydrodynamic forces
1/047	. . . {with spherical hull or hull in the shape of a vertical ring (freely movable rolling hoops, e.g. gyro wheels for exercising <a href="#">A63B 19/02</a> ) }	1/18	. . of hydroplane type
1/048	. . . {with hull extending principally vertically}	2001/183	. . . {having non-floating planing surfaces, e.g. attached skis or plate-shaped bodies}
1/06	. . . Shape of fore part	2001/186	. . . {Sponsons; Arrangements thereof}
1/063	. . . . {Bulbous bows}	1/20	. . . having more than one planing surface ( <a href="#">B63B 1/22</a> takes precedence)
2001/066	. . . . {Substantially vertical stems}	2001/201	. . . . {divided by longitudinal chines}
1/08	. . . Shape of aft part	2001/202	. . . . {divided by transverse steps}
1/10	. . with multiple hulls	2001/203	. . . . {arranged in semi-catamaran configuration}
2001/102	. . . {Proas, or similar twin-hull vessels with one main hull and one smaller hull or floater, interconnected by one or more outrigger beams or the like}	2001/204	. . . . {arranged on multiple hulls}
		2001/205	. . . . . {the hulls being interconnected rigidly}
		2001/206	. . . . . {comprising two hulls, e.g. catamarans}
1/105	. . . {comprising a cockpit surrounded and pivotally supported by at least three floats}	2001/207	. . . . . {comprising more than two hulls}

2001/208	. . . . . {comprising three hulls, e.g. trimarans}	2003/085	. . . {Multiple hull vessels, e.g. catamarans, assembled from detachably-connected sub-units}
2001/209	. . . . . {the hulls being interconnected resiliently, or having means for actively varying hull shape or configuration}	3/09	. Hulls constructed of non-magnetic metal
1/22	. . . with adjustable planing surfaces	3/10	. Armoured hulls
1/24	. . of hydrofoil type {(controlling attitude or depth of underwater vessels by hydrofoils or the like <a href="#">B63G 8/18</a> )}	3/12	. Frameless hulls
1/242	. . . {Mounting, suspension of the foils ( <a href="#">B63B 1/30</a> takes precedence)}	3/13	. Hulls built to withstand hydrostatic pressure when fully submerged, e.g. submarine hulls
1/244	. . . {Safety systems, e.g. when striking an object}	3/14	. Hull parts ( <a href="#">hull armour B63B 3/10</a> )
1/246	. . . {Arrangements of propulsion elements (propulsion elements in general <a href="#">B63H 5/00</a> , propulsion by jets in general <a href="#">B63H 11/00</a> )}	3/142	. . {Connections between the shell and deck}
1/248	. . . {Shape, hydrodynamic features, construction of the foil}	2003/145	. . {Frameworks, i.e. load bearing assemblies of trusses and girders interconnected at nodal points}
1/26	. . . having more than one hydrofoil ( <a href="#">B63B 1/28</a> takes precedence)	2003/147	. . {Moon-pools, e.g. for offshore drilling vessels}
1/28	. . . with movable hydrofoils	3/16	. . Shells ( <a href="#">ports or closures therefor B63B 19/00</a> )
2001/281	. . . . {movable about an axis substantially parallel to the flow direction}	3/18	. . . characterised by being formed predominantly of parts that may be developed into plane surfaces
1/283	. . . . {movable around a vertical axis, e.g. for steering}	3/185	. . . . {comprising only flat panels}
1/285	. . . . {changing the angle of attack or the lift of the foil}	3/20	. . . of double type
1/286	. . . . . {using flaps}	3/22	. . . with corrugations
1/288	. . . . . {using gas exhaust through the foil}	3/24	. . . Means for diminishing external ridges of protrusions
1/30	. . . . retracting or folding {( <a href="#">B63B 1/244</a> takes precedence)}	3/26	. . Frames
1/32	. Other means for varying the inherent hydrodynamic characteristics of hulls	2003/265	. . . {comprising open profiles, e.g. U- or gutter-shaped, and forming substantially closed channels together with the plate to which they are attached}
1/322	. . {using aerodynamic elements, e.g. aerofoils producing a lifting force ( <a href="#">flying boats B64C 35/00</a> )}	3/28	. . . of transverse type; Stringers
2001/325	. . {Interceptors, i.e. elongate blade-like members projecting from a surface into the fluid flow substantially perpendicular to the flow direction, and by a small amount compared to its own length}	3/30	. . . . Bilge knees; Beam knees
2001/327	. . {using magneto-hydrodynamic forces}	3/32	. . . Web frames; Web beams
1/34	. . by reducing surface friction	3/34	. . . of longitudinal type; Bulkhead connections
2001/345	. . . {by ejecting friction reducing solids or liquids, e.g. polymers}	3/36	. . . Combined frame systems
1/36	. . . using mechanical means	3/38	. . Keels ( <a href="#">movable keels B63B 41/00</a> )
1/38	. . . using air bubbles or air layers {gas filled volumes ( <a href="#">waterborne vessels travelling on air cushions B60V 3/06</a> )}	2003/382	. . . {adapted for housing energy accumulators, e.g. batteries}
2001/382	. . . . {by making use of supercavitation, e.g. for underwater vehicles}	2003/385	. . . {with means for controlling heeling or rolling motions, or lift, e.g. flaps, by changing geometry, or by ballast displacement}
2001/385	. . . . {using exhaust gas}	2003/387	. . . {adapted for housing propulsion plant elements}
2001/387	. . . . {using means for producing a film of air or air bubbles over at least a significant portion of the hull surface}	3/40	. . Stern posts; Stern frames
1/40	. . by diminishing wave resistance	3/42	. . Shaft brackets
3/00	<b>Constructions of hulls (non-metallic hulls <a href="#">B63B 5/00</a>; designing, building, maintaining or repairing methods <a href="#">B63B 9/00</a>)</b>	2003/425	. . . {having features not related to structural construction, e.g. hydrodynamic properties or bearings}
3/02	. Hulls assembled from prefabricated sub-units	3/44	. . Bilge keels ( <a href="#">stabilising aspect B63B 39/06</a> )
3/04	. . with permanently-connected sub-units	3/46	. . Stems
3/06	. . . the sub-units being substantially identical	3/48	. . Decks ( <a href="#">planking B63B 5/06</a> )
3/08	. . with detachably-connected sub-units	2003/485	. . . {movably connected to hull or superstructure}
		3/50	. . . of vaulted type
		3/52	. . . Pillars; Deck girders
		3/54	. . . Hatch openings
		3/56	. . Bulkheads; Bulkhead reinforcements ( <a href="#">arrangements of watertight doors B63B 43/24</a> )
		3/58	. . . with flat plating
		3/60	. . . with curved or corrugated plating
		3/62	. . Double bottoms; Tank tops
		3/64	. . . Keelsons
		3/66	. . Gratings
		3/68	. . Panellings; Linings, e.g. for insulating purposes

3/70	. . Reinforcements for carrying localised loads, e.g. propulsion plant, guns	9/02	. using towing tanks or model basins for designing {arrangements in or on ship testing tanks or water tunnels <a href="#">G01M 10/00</a> }
<b>5/00</b>	<b>Hulls characterised by their construction of non-metallic material</b>	2009/025	. . {using ice model basins; using non-refrigerated towing tanks or model basins with floating ice covers simulated by other means, e.g. wax}
5/02	. made predominantly of wood	9/04	. Rebuilding ships, e.g. increasing tonnage
5/04	. . Carcasses	9/06	. Methods of building hulls
5/06	. . Decks; Shells	9/062	. . {by folding (foldable vessels <a href="#">B63B 7/00</a> )}
5/065	. . . {caulking decks (mortise chisels for wood <a href="#">B25D 3/00</a> )}	9/065	. . {for floating offshore platforms (grounded platforms <a href="#">E02B 17/00</a> )}
5/08	. . . with single-layer planking	2009/067	. . . {for assembling offshore structures, e.g. <i>in situ</i> , using buoyancy forces for supporting the structure itself, or part of it, e.g. using barges}
5/10	. . . with multiple-layer planking	9/08	. Determining vessel properties with respect to stability or balance
5/12	. made predominantly of wood with metal reinforcement, i.e. composite construction	<b>11/00</b>	<b>Interior subdivision of hulls (bulkhead space construction <a href="#">B63B 3/56</a>)</b>
5/14	. made predominantly of concrete, e.g. reinforced	11/02	. Arrangement of bulkheads, e.g. defining cargo spaces
5/16	. . monolithic	11/04	. Constructional features of bunkers, {e.g. structural fuel tanks,} or ballast tanks, e.g. with elastic walls ({tanks for fuel or the like not forming subdivisions of the hull <a href="#">B63B 17/0027</a> ; } cleaning of tanks <a href="#">B63B 57/00</a> )
5/18	. . built-up from elements	11/06	. Propeller-shaft tunnels
5/20	. . . in combination with elements of other materials	<b>13/00</b>	<b>Conduits for emptying or ballasting; Self-bailing equipment; Scuppers (draining means for hatches <a href="#">B63B 19/26</a>; centrifugal bilge-water separators <a href="#">B04</a>; {arrangements of installations for treating ballast water <a href="#">B63J 4/002</a>; } pipes in general <a href="#">F16L</a>)</b>
5/22	. . with reinforcing members external to shell	2013/005	. {Sea chests}
5/24	. made predominantly of plastics {(surf boards <a href="#">B63B 35/7909</a> )}	13/02	. Ports for passing water through vessels' sides {(jet propulsors with clogging prevention means <a href="#">B63H 11/01</a> )}
2005/242	. . {made of a composite of plastics and other structural materials, e.g. wood or metal}	<b>15/00</b>	<b>Superstructures {, deckhouses, wheelhouses or the like}; Arrangements or adaptations of masts {or spars, e.g. bowsprits} (loading or unloading equipment <a href="#">B63B 27/00</a>; masts and staying in general <a href="#">E04H</a>; sails, running rigging <a href="#">B63H</a>; {mounting ladders or the like on masts <a href="#">B63B 29/205</a>})</b>
2005/245	. . . {made of a composite of plastics and metal}	2015/0008	. {Bowsprits}
2005/247	. . . {made of a composite of plastics and wood}	2015/0016	. {Masts characterized by mast configuration or construction}
<b>7/00</b>	<b>Collapsible, foldable, inflatable or like vessels (foldable pontoons <a href="#">B63B 35/36</a>)</b>	2015/0025	. . {Bipodded masts, e.g. A-type masts}
2007/003	. {with foldable members}	2015/0033	. . {Multipodded masts, e.g. tripod-type}
2007/006	. {comprising nestable elements}	2015/0041	. . {Telescoping masts}
7/02	. comprising only rigid parts	2015/005	. . {with means for varying mast position or orientation with respect to the hull}
7/04	. . sectionalised	2015/0058	. . . {comprising active mast inclination means}
7/06	. having parts of non-rigid material	2015/0066	. . . {Inclinable masts with passive righting means, e.g. counterbalancing means}
2007/065	. . {comprising flexible pockets for receiving removable floaters}	2015/0075	. . . {with mast foot adapted for being moved, e.g. athwartship}
7/08	. . inflatable	15/0083	. {Masts for sailing ships or boats}
7/082	. . . {having parts of rigid material}	2015/0091	. . {comprising means for silencing rope noise}
7/085	. . . {Accessories or mountings specially adapted therefor, e.g. seats, sailing kits, motor mountings}	15/02	. Staying of masts or of other superstructures
7/087	. . . . {Motor mountings, e.g. transom panels for outboard motors}		
<b>9/00</b>	<b>Methods of designing, building, maintaining, converting, refitting, repairing, or determining properties of vessels, not otherwise provided for (shuttering for building concrete vessels <a href="#">E04G</a>)</b>		
9/001	. {Methods of designing, or determining properties of vessels by means of analytical modelling, e.g. computational}		
9/002	. . {using fluid dynamics analysis, e.g. computational fluid dynamics}		
9/003	. . {using structure analysis, e.g. finite elements}		
2009/005	. {Methods for dismantling hulls, or elements of ships or other waterborne vessels, e.g. floating offshore structures}		
2009/006	. . {for dismantling hulls, or structural elements}		
2009/007	. . {for unshipping or dismantling equipment or non-structural elements, e.g. propellers, rudders or prime movers}		
2009/008	. {Methods for repairing hulls or structural elements of ships or other waterborne vessels, e.g. floating offshore structures}		

<b>17/00</b>	<b>Vessels parts, details, or accessories, not otherwise provided for</b> ( <a href="#">vehicle fittings for preventing or indicating unauthorised use or theft of vehicles in general B60R 25/00</a> ; <a href="#">propeller guards, line cutters or other means for protecting propellers or rudders B63H 5/165</a> ; <a href="#">protection of power legs of outboard propulsion units B63H 20/36</a> ; <a href="#">locking devices for boats, surfboards or parts or accessories thereof E05B 73/007</a> )	2019/0046	. . . {Fixed ship's windows, other than bull's eyes}
		2019/0053	. {Locking means for ports, doors, windows, covers, or the like, e.g. providing for watertight closure when locked}
2017/0009	. {Methods or devices specially adapted for preventing theft, or unauthorized use of vessels, or parts or accessories thereof, other than by using locks}	2019/0061	. . {comprising pivotally supported threaded locking bolts}
17/0018	. {Arrangements or devices specially adapted for facilitating access to underwater elements, e.g. to propellers ( <a href="#">retractable propellers B63H 5/125</a> ; <a href="#">tilting outboard propulsion units B63H 20/08</a> ); <a href="#">Externally attached cofferdams or the like (caissons adapted to laying foundations E02D 23/00 - E02D 27/00)</a> }	2019/0069	. . {comprising movable positive fit locking members, e.g. swivelling locking clips, or dogs}
		2019/0076	. . . {comprising multiple positive fit locking members arranged for simultaneous locking action}
17/0027	. {Tanks for fuel or the like ( <a href="#">constructional features of bunkers B63B 11/04</a> ); <a href="#">Accessories therefor, e.g. tank filler caps (fuel tanks for vehicles in general B60K 15/03</a> ; <a href="#">cargo tanks B63B 25/08</a> ; <a href="#">cleaning of tanks B63B 57/00</a> ; <a href="#">handling of liquids for use in power plants B63H 21/38</a> )}	2019/0084	. . . . {with mechanical drive for effecting simultaneous locking action}
17/0036	. . {Arrangements for minimizing pollution by accidents (associated with cargo tanks <a href="#">B63B 25/082</a> )}	2019/0092	. {Fly screens, or the like protection devices against insects, e.g. for insertion into bull's eyes openings}
2017/0045	. {Caps, hoods, or the like devices for protective purposes, not otherwise provided for}	19/02	. Clear-view screens; { <a href="#">Windshields (canopies connected to windshields B63B 17/02)</a> }
2017/0054	. {Rests or supports for movable ship-borne equipment}	19/04	. Air-catching equipment related to windows or port-holes ( <a href="#">ventilation B63J 2/00</a> )
2017/0063	. . {Boom rests, i.e. props for main sail booms, derricks, or the like}	19/06	. . readily detachable
2017/0072	. {Seaway compensators}	19/08	. Ports or like openings in vessels' sides {or at the vessels' bow or stern ( <a href="#">forming ramps when open B63B 27/143</a> )}
17/0081	. {Vibration isolation or damping elements or arrangements, e.g. elastic support of deck-houses ( <a href="#">mounting of propulsion plant or unit B63H 21/30</a> ; <a href="#">vibration dampers, suppression of vibration in systems F16F</a> )}	2019/083	. . {Bow ports, e.g. for ferries}
2017/009	. {Wave breakers, breakwaters, splashboards, or the like}	2019/086	. . {Stern ports, e.g. for ferries or Ro-Ro-vessels}
17/02	. Awnings {, including rigid weather protection structures, e.g. sunroofs; Tarpaulins; Accessories for awnings or tarpaulins}	19/10	. . Coal ports
17/023	. . {Hatchway tents, e.g. for weather protection of cargo during loading or unloading}	19/12	. Hatches; Hatchways ( <a href="#">hatch coamings B63B 3/54</a> )
2017/026	. . {Rigid awnings, or sunroofs}	19/14	. . Hatch covers ( <a href="#">opening devices in general E05F</a> )
17/04	. Stanchions; Guard-rails {; Bulwarks or the like}	2019/145	. . . {with means for adjusting size, e.g. width}
2017/045	. . {Bulwarks, or the like}	19/16	. . . with detachable boards
17/06	. Refuse discharge, e.g. for ash ({ <a href="#">arrangements of installations for treating refuse or sludge, e.g. tank washing sludge B63J 4/00</a> ; } <a href="#">removal of domestic or like refuse B65F</a> )}	19/18	. . . slidable
		2019/185	. . . . {with sliding bearings}
<b>19/00</b>	<b>Arrangements or adaptations of ports, doors, windows, port-holes, or other openings or covers</b> ( <a href="#">scuppers B63B 13/00</a> ; <a href="#">arrangements of watertight doors in bulkheads B63B 43/24</a> )	19/19	. . . foldable
2019/0007	. {Ship's windows}	19/197	. . . . actuated by fluid pressure
2019/0015	. . {Bull's eyes, or the like ship's windows}	19/203	. . . . actuated by cables or the like
2019/0023	. . . {Pivotal bull's eyes with central pivoting axis}	19/21	. . . of roll-up type
2019/003	. . . {Pivotal bull's eyes with peripheral hinge axis}	19/22	. . Hatch beams
2019/0038	. . {Ship's windows, other than bull's eyes}	19/24	. . Hatch fastenings, e.g. cleats
		2019/245	. . . {Loose or removable fastening members specially adapted for fastening hatch covers to coamings, sills, or the like}
		19/26	. . Gaskets; Draining means
		19/28	. . Other safety means
		<b>21/00</b>	<b>Tying-up; Shifting, towing, or pushing equipment; Anchoring</b> ({ <a href="#">of buoys B63B 22/04</a> } ; <a href="#">dynamic anchoring B63H 25/00</a> ; <a href="#">equipment for shipping on coasts, in harbours or on other fixed marine structures, e.g. for landing purposes, E02B</a> )
			<b>WARNING</b>
			Group <a href="#">B63H 21/00</a> is no longer used for classification of adaptations of ropes, hawsers, or the like, or parts thereof. Documents are in the process of being reorganised to <a href="#">B63B 21/20</a>
2019/0007	. {Ship's windows}	2021/001	. {Mooring bars, yokes, or the like, e.g. comprising articulations on both ends}
2019/0015	. . {Bull's eyes, or the like ship's windows}	2021/002	. . {Yokes, or the like}
2019/0023	. . . {Pivotal bull's eyes with central pivoting axis}	2021/003	. {Mooring or anchoring equipment, not otherwise provided for}
2019/003	. . . {Pivotal bull's eyes with peripheral hinge axis}	2021/004	. . {Quick release elements in mooring connections}
2019/0038	. . {Ship's windows, other than bull's eyes}	2021/005	. . {Resilient passive elements to be placed in line with mooring or towing chains, or line connections, e.g. dampers or springs}



2021/006	. . {Suction cups, or the like, e.g. for mooring, or for towing or pushing}	21/42	. . . . of ploughshare type
2021/007	. . {Remotely controlled subsea assistance tools, or related methods for handling of anchors or mooring lines, e.g. using remotely operated underwater vehicles for connecting mooring lines to anchors}	21/44	. . . with two or more flukes
2021/008	. . {Load monitors}	21/46	. . with variable {, e.g.} sliding, connection to the chain {, especially for facilitating the retrieval of the anchor}
2021/009	. . {Drift monitors}	21/48	. . Sea-anchors; Drogues
21/02	. Magnetic mooring equipment	21/50	. Anchoring arrangements {or methods} for special vessels, e.g. for floating drilling platforms or dredgers
21/04	. Fastening or guiding equipment for chains, ropes, hawsers, or the like {(means for fastening cables or ropes in general <a href="#">F16G 11/00</a> )}	2021/501	. . {by means of articulated towers, i.e. slender substantially vertically arranged structures articulated near the sea bed}
21/045	. . {T-shaped cleats}	21/502	. . {by means of tension legs}
21/06	. . Bollards	2021/504	. . . {comprising suppressors for vortex induced vibrations}
21/08	. . Clamping devices (in general <a href="#">F16B</a> ; {means for fastening cables or ropes to one another or to other objects in general <a href="#">F16G 11/00</a> })	2021/505	. . {Methods for installation or mooring of floating offshore platforms on site}
21/10	. . Fairleads	21/507	. . {with mooring turrets}
21/12	. . Rat guards	21/508	. . . {connected to submerged buoy (mooring buoys <a href="#">per se</a> <a href="#">B63B 22/02</a> )}
21/14	. . Hawse-holes; Hawse-pipes; Hawse-hole closures	21/54	. Boat-hooks or the like {, e.g. hooks detachably mounted to a pole}
21/16	. using winches (winches <a href="#">per se</a> <a href="#">B66D</a> )	21/56	. Towing or pushing equipment (tugs <a href="#">B63B 35/66</a> {; towing devices for waterskis or watersledges <a href="#">B63B 35/815</a> })
21/18	. Stoppers for anchor chains {(anchor capstans <a href="#">B66D 1/72</a> )}	2021/563	. . {Pushing equipment}
21/20	. Adaptations of chains, ropes, hawsers, or the like, or of parts thereof chains, ropes or hawsers in general, see the relevant subclasses, e.g. <a href="#">F16G</a> {or <a href="#">D07B</a> }	2021/566	. . {comprising running ropes or chains, e.g. endless, driven by ground-borne equipment}
2021/203	. . {Mooring cables or ropes, hawsers, or the like; Adaptations thereof}	21/58	. . Adaptations of hooks for towing; Towing-hook mountings (hooks in general <a href="#">F16B</a> )
2021/206	. . {Weights attached to mooring lines or chains, or the like; Arrangements thereof}	21/60	. . . Quick releases
21/22	. Handling or lashing of anchors	21/62	. . characterised by moving of more than one vessel (rigid interconnections between pontoons <a href="#">B63B 35/38</a> )
2021/222	. . {Buoyancy elements adapted or used for manipulating anchors, e.g. buoyancy elements built-in, or connected to the anchor, and used for lifting or up-righting the same}	21/64	. . Equipment for towing or pushing vessels by vehicles or beings moving forward on ground-based paths along water way (boat-hooks or the like <a href="#">B63B 21/54</a> ; shore- or ground-based equipment <a href="#">per se</a> , e.g. vehicles, rails, see the relevant classes)
2021/225	. . {Marker buoys for indicating position of an anchor, or for providing a line connection between the anchor and the water surface}	21/66	. . Equipment specially adapted for towing underwater objects or vessels, e.g. fairings for tow-cables ({paravanes for dragging fishing nets <a href="#">A01K 73/02</a> ; } salvaging underwater vessels or objects <a href="#">B63C 7/00</a> ; towed underwater vessels <a href="#">B63G 8/42</a> )
21/227	. . {Stowing the anchor inside the vessel by hauling-in through an aperture in the side walls, stern or bottom}	21/663	. . . {Fairings}
21/24	. Anchors	2021/666	. . . {for intermittent towing}
21/243	. . {foldable or capable of being disassembled}	22/00	<b>Buoys</b> ({floating decoys, e.g. for waterfowl <a href="#">A01M 31/06</a> ; } means for indicating the location of underwater objects <a href="#">B63C 7/26</a> ; life-buoys, e.g. rings <a href="#">B63C 9/08</a> ; {mountings of acoustic transducer in underwater equipment, e.g. sonobuoys <a href="#">G10K 11/006</a> ; electric cables supported on or from floats <a href="#">H02G 9/12</a> })
2021/246	. . {comprising elements yielding at a predetermined load, e.g. shear bolts}	22/003	. . {adapted for being launched from an aircraft or water vehicle; e.g. with brakes deployed in the water}
21/26	. . securing to bed	2022/006	. . {specially adapted for measuring or watch purposes}
2021/262	. . . {by drag embedment}	22/02	. specially adapted for mooring a vessel
2021/265	. . . {by gravity embedment, e.g. by dropping a pile-type anchor from a certain height}		
2021/267	. . . {by penetration of anchor into the sea bed using water jets, e.g. by ground or sand fluidisation}		
21/27	. . . by suction		
21/28	. . . driven in by explosive charge		
21/29	. . . by weight, e.g. flukeless weight anchors		
21/30	. . rigid when in use {( <a href="#">B63B 21/28</a> takes precedence)}		
21/32	. . . with one fluke		
21/34	. . . with two or more flukes		
21/36	. . . . foldable		
21/38	. . pivoting when in use {( <a href="#">B63B 21/28</a> takes precedence)}		
21/40	. . . with one fluke		

22/021	. . {and for transferring fluids, e.g. liquids (container type buoys having means to selectively release contents, not adapted for mooring a vessel <a href="#">B63B 22/26</a> )}	23/22	. . . . Slings or the like therefor
22/023	. . . {submerged when not in use (container type buoys submerged when not in use, not adapted for mooring a vessel <a href="#">B63B 22/28</a> ; connected to turret <a href="#">B63B 21/508</a> )}	23/24	. . . Slewing equipment therefor
22/025	. . . {and comprising a restoring force in the mooring connection provided by means of weight, float or spring devices}	23/26	. . with rectilinear translation of boat before lowering
22/026	. . . {and with means to rotate the vessel around the anchored buoy (turrets <a href="#">B63B 21/507</a> )}	23/28	. Devices for projecting or releasing boats for free fall
2022/028	. . {submerged, e.g. fitting into ship-borne counterpart with or without rotatable turret, or being releasably connected to moored vessel}	23/30	. Devices for guiding boats to water surface
22/04	. {Fixations or other} anchoring arrangements	23/32	. . Rigid guides, e.g. having arms pivoted near waterline
22/06	. . with means to cause the buoy to surface in response to a transmitted signal {( <a href="#">B63B 22/023</a> takes precedence)}	23/34	. . Guiding means for lowering by cables, e.g. for listing ships
22/08	. . having means to release or urge to the surface a buoy on submergence thereof, e.g. to mark location of a sunken object	23/36	. . . Skid fenders
22/10	. . . Water soluble or water weakened means, i.e. buoy released by buoy-to-object securing means being destroyed on contact with water	23/38	. Transport of boats to davits or the like
22/12	. . . the surfacing of the buoy being assisted by a gas released or generated on submergence of the buoy	23/40	. Use of lowering or hoisting gear
22/14	. . . Buoy-to-object securing means responsive to hydrostatic pressure	23/42	. . with braking equipment
22/16	. specially adapted for marking a navigational route (signalling or lighting devices <a href="#">B63B 45/00</a> )	23/44	. . . on the ship
22/163	. . {comprising a bell or other audible signal}	23/46	. . . in the boat
22/166	. . {comprising a light}	23/48	. . using winches for boat handling ( <a href="#">winches per se B66D</a> )
22/18	. having means to control attitude or position, e.g. reaction surfaces or tether	23/50	. . . with tensioning gear
22/20	. . Ballast means	23/52	. . . with control of winches from boat
22/22	. Inflatable buoys with gas generating means ( <a href="#">B63B 22/12</a> takes precedence)	23/54	. . with trimming equipment
22/24	. container type, i.e. having provision for the storage of material	23/56	. . . controlled from boat
22/26	. . having means to selectively release contents, e.g. swivel couplings {( <a href="#">B63B 22/021</a> takes precedence; } arrangements between ships and off-shore structures for loading or unloading, using pipe lines <a href="#">B63B 27/34</a> ; pipe joints or couplings, in general <a href="#">F16L</a> )	23/58	. . with tackle engaging or release gear
22/28	. . submerged when not in use {( <a href="#">B63B 22/023</a> takes precedence)}	23/60	. . Additional connections between boat and davits
<b>23/00</b>	<b>Equipment for handling lifeboats or the like</b>	23/62	. Fastening or storing of boats on deck
23/02	. Davits, i.e. devices having arms for lowering boats by cables or the like	23/64	. . Lashings; Covers
23/04	. . with arms pivoting on substantially horizontal axes, e.g. gravity type	23/66	. . Blocks; Chocks
23/06	. . . with actual pivots	23/68	. . . for stacking boats
23/08	. . . . the arms being articulated	23/70	. Condition-responsive handling equipment, e.g. automatic release of boat from lowering tackle upon contact with water
23/10	. . . . with positive drive of the arms	<b>25/00</b>	<b>Load-accommodating arrangements, e.g. stowing, trimming; Vessels characterised thereby (trimming otherwise than by cargo division, e.g. by use of ballast <a href="#">B63B 43/06</a>, <a href="#">B63B 43/08</a>; constructive aspects of cargo spaces <a href="#">B63B 11/00</a>; hatches, hatchways <a href="#">B63B 19/12</a>)</b>
23/12	. . . with simulated pivots	25/002	. {for goods other than bulk goods (detachable decks <a href="#">B63B 25/18</a> ; palletised articles <a href="#">B63B 25/22</a> ; frozen goods <a href="#">B63B 25/26</a> ; deck loads <a href="#">B63B 25/28</a> )}
23/14	. . . . using linkages	25/004	. . {for containers ( <a href="#">B63B 25/28</a> takes precedence)}
23/16	. . . . using guide tracks	25/006	. . {for floating containers, barges or other floating cargo (for transporting marine vessels <a href="#">B63B 35/40</a> )}
23/18	. . with arms pivoting on substantially vertical axes	25/008	. . {for wheeled cargo ( <a href="#">B63B 25/20</a> takes precedence)}
23/20	. . . Davits with single arms ( <a href="#">cranes in general B66C</a> )	25/02	. for bulk goods
		2025/022	. . {comprising flexible receptacles for bulk cargo, e.g. bladders for liquid cargo inserted in tanks}
		2025/025	. . {Vessels adapted for particular combinations of bulk cargo}
		2025/027	. . . {Ore-bulk-oil carriers}
		25/04	. . solid
		25/06	. . . for cereals
		25/08	. fluid {(constructional features of bunkers <a href="#">B63B 11/04</a> ; tanks for fuel or the like not forming bunkers <a href="#">B63B 17/0027</a> )}
		25/082	. . . {Arrangements for minimizing pollution by accidents (associated with tanks for fuel or the like not forming bunkers <a href="#">B63B 17/0036</a> )}
		2025/085	. . . {comprising separation membranes}
		2025/087	. . . {comprising self-contained tanks installed in the ship structure as separate units}

25/10	. . . open to ambient air	27/34	. . using pipe-lines ({anchoring arrangements for special vessels with mooring turrets <a href="#">B63B 21/507</a> ; buoys specially adapted for mooring a vessel and for transferring fluids, e.g. liquids <a href="#">B63B 22/021</a> })
25/12	. . . closed	27/36	. {Arrangement of ship-based loading or unloading equipment} for floating cargo (devices for facilitating retrieval of floating objects <a href="#">per se B66C 13/02</a> )
25/14	. . . . pressurised	29/00	<b>Accommodation for crew or passengers not otherwise provided for</b>
25/16	. . . . heat-insulated ( <a href="#">insulating panelling B63B 3/68</a> ; heating or cooling <a href="#">B63J</a> )	29/02	. Cabins or other living spaces; Construction or arrangement thereof
25/18	. Detachable decks	2029/022	. . {Bathing platforms}
25/20	. . for motor vehicles or the like	29/025	. . {Modular or prefabricated cabins}
25/22	. for palletised articles	2029/027	. . {Removable walls, e.g. for temporarily erecting cabin spaces in ship hold, or for subdividing living areas into smaller units; Fittings for removable wall panels}
25/24	. Means for preventing unwanted cargo movement, e.g. dunnage	29/04	. . Furniture peculiar to vessels (floatable furniture <a href="#">B63C 9/30</a> )
2025/245	. . {of wheeled cargo, e.g. vehicle retainers}	2029/043	. . . {Seats; Arrangements thereof on vessels}
25/26	. for frozen goods	2029/046	. . . {Tables, e.g. foldable or stowable}
25/28	. for deck loads	29/06	. . . Fastening to floors
2025/285	. . {Means for securing deck containers against unwanted movements}	29/08	. . . Storm guards on tables, e.g. fiddles
27/00	<b>Loading or unloading cargo or passengers (self-discharging barges or lighters <a href="#">B63B 35/30</a>; shore-based <a href="#">B65G</a> {elevators, escalators or moving walkways <a href="#">per se B66B</a>; floating cranes <a href="#">B66C 23/52</a>; loading or unloading devices <a href="#">per se</a>, see the relevant subclasses, e.g. <a href="#">B65G</a>, <a href="#">B66C</a>, <a href="#">B67D</a>})</b>	29/10	. . . Berths; Mounting ladders therefor
27/02	. {with intermittent action}	29/12	. . . Self-levelling mountings
27/04	. . Ships' derricks, i.e. employing ships' masts ( <a href="#">derricks in general B66C</a> )	29/14	. . Closet or like flushing arrangements; Washing or bathing facilities peculiar to ships
27/06	. . . {with slewing force exerted at pivoted end}	2029/145	. . . {Collapsible or non-permanent privacy rooms, e.g. closets or changing rooms}
27/08	. . using winches ( <a href="#">winches per se B66D</a> )	29/16	. Soil water discharges ({arrangements of installations for treating waste water or sewage <a href="#">B63J 4/006</a> })
27/10	. . using cranes ( <a href="#">cranes per se B66C</a> )	29/18	. Arrangements or adaptations of swimming pools
27/12	. . . of gantry type	29/20	. Arrangements or adaptations of ladders ( <a href="#">mounting ladders for berths B63B 29/10</a> )
27/14	. . Ramps; Gangways or other outboard ladders ( <a href="#">inboard ladders B63B 29/20</a> ; <a href="#">land-based bridges giving access to ships E01D 15/24</a> ); {Pilot lifts}	29/205	. . {on masts}
2027/141	. . . {telescopically extendable}	29/22	. Galleys
27/143	. . . {Ramps}	35/00	<b>Vessels or like floating structures adapted for special purposes (vessels characterised by load-accommodating arrangements <a href="#">B63B 25/00</a>; fire-fighting vessels <a href="#">A62C 29/00</a>; submarines, mine-layers or mine-sweepers <a href="#">B63G</a>; large containers for use in or under water <a href="#">B65D 88/78</a>; {Advertising on ships or other floating means <a href="#">G09F 21/18</a>})</b>
2027/145	. . . . {Inflatable ramps}	2035/001	. {for beach loading or unloading, e.g. landing crafts}
27/146	. . . {Pilot ladders or similar outboard ladders, e.g. bathing ladders; Pilot lifts}	2035/002	. {for inland waters, e.g. for use on canals or rivers}
2027/148	. . . . {Pilot lifts}	35/003	. {for transporting very large loads, e.g. offshore structure modules (construction methods for artificial islands mounted on piles <a href="#">E02B 17/00</a> ; for transporting marine vessels <a href="#">B63B 35/40</a> ; docks <a href="#">B63C 1/00</a> })
27/16	. . using lifts or hoists ( <a href="#">elevators per se B66B</a> {Pilot lifts <a href="#">B63B 27/14</a> })	2035/004	. {Passenger vessels, e.g. cruise vessels or the like}
2027/165	. . . {Deployment or recovery of underwater vehicles using lifts or hoists}	2035/005	. {Search and rescue [SAR] vessels}
27/18	. . using cableways, e.g. with breeches-buoys ( <a href="#">cableways per se B65G</a> )	2035/006	. {Unmanned surface vessels, e.g. remotely controlled}
27/20	. {with continuous action}	2035/007	. . {autonomously operating}
27/22	. . of conveyors, e.g. of endless-belt or screw-type (arrangements of devices with throwing action <a href="#">B63B 27/26</a> ; arrangements of chutes <a href="#">B63B 27/28</a> ; conveyors <a href="#">per se B65G</a> )	2035/008	. . {remotely controlled}
27/24	. . Loading or unloading fluids		
27/25	. . . {Arrangement of ship-based loading or unloading equipment} for fluidised bulk material		
27/26	. . using devices with throwing action (devices with throwing action <a href="#">per se B65G</a> )		
27/28	. . using chutes ( <a href="#">chutes per se B65G</a> )		
27/30	. {Arrangement of ship-based loading or unloading equipment} for transfer at sea between ships or between ships and off-shore structures		
27/32	. . using cableways		

- 2035/009 . {Wind propelled vessels comprising arrangements, installations or devices specially adapted therefor, other than wind propulsion arrangements, installations, or devices, such as sails, running rigging, or the like, and other than sailboards or the like or related equipment}
- 35/03 . Pipe-laying vessels ([laying pipes under water F16L 1/12](#))
- 35/04 . Cable-laying vessels
- 35/06 . . for moving cable-ends from ship to shore
- 35/08 . Ice-breakers, or other vessels or floating structures for operation in ice-infested waters; Ice-breakers, or other vessels or floating structures having equipment specially adapted therefor
- NOTE**
- {Documents concerning vessels, or floating structures adapted at the same time for an other particular purpose are also classified in the respective other particular groups of [B63B 35/00](#), e.g. floating buildings, stores, drilling platforms or workshops for operation in ice infested waters are also classified in [B63B 35/44](#)}
- 35/083 . . {Ice-breakers ([B63B 35/10](#), [B63B 35/12](#) take precedence)}
- 35/086 . . {Vessels for displacing icebergs, or related methods ([tugs in general B63B 35/66](#))}
- 35/10 . . having forced pitching or rolling equipment
- 35/12 . . having ice-cutters
- 35/14 . Fishing vessels ([fishing A01K 69/00 - A01K 97/00](#))
- 35/16 . . Trawlers
- 35/18 . . . adapted to dragging nets aboard
- 35/20 . . . adapted to hoisting nets aboard
- 35/22 . . Whale catchers; Whale factory vessels
- 35/24 . . Fish holds
- 35/26 . . . for live fish
- 35/28 . Barges or lighters {(underwater-towed barges [B63G 8/42](#); for transporting logs [B63B 35/62](#))}
- 35/285 . . {Flexible barges, e.g. bags}
- 35/30 . . self-discharging
- 35/301 . . . {discharging by turning over part of or the whole barge}
- 35/303 . . . {discharging by suction, pressing or washing}
- 35/305 . . . {discharging by mechanical means}
- 35/306 . . . {discharging through dump-gates on the bottom or sides of the barge}
- 35/308 . . . {Split barges interconnected hingedly or slidably}
- 35/32 . for collecting pollution from open water
- NOTE**
- If the apparatus for collecting pollution from open water is of interest apart from ship construction aspects, it is also classified in group [E02B 15/00](#)
- 35/34 . Pontoons ([floating bridges E01D 15/14](#))
- 35/36 . . foldable
- 35/38 . . Rigidly-interconnected pontoons
- 35/40 . for transporting marine vessels {(load accommodation for floating barges and the like [B63B 25/006](#))}
- 2035/405 . . {for carrying submarines}
- 35/42 . . with adjustable draught
- 35/44 . Floating buildings, stores, drilling platforms, or workshops, e.g. carrying water-oil separating devices {(construction methods for floating offshore platforms [B63B 9/065](#))}
- 35/4406 . . {Articulated towers, i.e. substantially floating structures comprising a slender tower-like hull anchored relative to the marine bed by means of a single articulation, e.g. using an articulated bearing}
- 35/4413 . . {Floating drilling platforms, e.g. carrying water-oil separating devices}
- 2035/442 . . {Spar-type semi-submersible structures, i.e. shaped as single slender, e.g. substantially cylindrical or trussed vertical bodies}
- 2035/4426 . . {Stationary floating buildings for human use, e.g. floating dwellings or floating restaurants}
- 2035/4433 . . {Floating structures carrying electric power plants}
- 2035/444 . . . {for converting combustion energy into electric energy}
- 2035/4446 . . . {for converting nuclear energy into electric energy}
- 2035/4453 . . . {for converting solar energy into electric energy}
- 2035/446 . . . {for converting wind energy into electric energy}
- 2035/4466 . . . {for converting water energy into electric energy, e.g. from tidal flows, waves or currents}
- 2035/4473 . . {Floating structures supporting industrial plants, such as factories, refineries, or the like}
- 2035/448 . . {Floating hydrocarbon production vessels, e.g. Floating Production Storage and Offloading vessels [FPSO]}
- 2035/4486 . . {Floating storage vessels, other than vessels for hydrocarbon production and storage, e.g. for liquid cargo}
- 2035/4493 . . {Floating structures supporting vegetation, such as trees, reeds, crops, plants, or the like, e.g. flexible structures}
- 35/50 . Vessels or floating structures for aircraft ([aircraft carriers B63G 11/00](#); flying-boat hulls, other flotation means for aircraft [B64](#))
- 35/52 . . Nets, slipways or the like, for recovering aircraft from the water
- 35/53 . . Floating runways
- 35/54 . Ferries ([propulsion of chain ferries B63H](#))
- 35/56 . Lightships ([marking of navigational route B63B 51/00](#))
- 35/58 . Rafts, i.e. free floating waterborne vessels, of shallow draft, with little or no freeboard, and having a platform or floor for supporting a user ([lifeboats, life-rafts or the like B63C 9/02](#))
- 35/607 . . having a platform or floor below the level of the buoyancy means, e.g. suspended basket type
- 35/613 . . with tubular shaped flotation members
- 35/62 . . formed from logs or the like
- 35/66 . Tugs ([towing or pushing equipment B63B 21/56](#))
- 35/665 . . {Floating propeller units, i.e. a motor and propeller unit mounted in a floating box ([outboard propulsion units B63H 20/00](#))}
- 35/68 . . for towing
- 35/70 . . for pushing



- 35/71 . Canoes, kayaks or the like {(collapsible, foldable, inflatable or like vessels [B63B 7/00](#))}
- 2035/715 . . {Accessories specially adapted for kayaks, canoes, or the like, other than paddles or footrests, e.g. seats, detachable rudders, detachable propulsion means or sailing rigs}
- 35/73 . Other vessels or like floating structures for pleasure or sport
  - 35/731 . . {Waterscooters}
  - 35/732 . . {House boats}
- 2035/734 . . {Racing rowing boats, i.e. light, long, narrow racing boats propelled by rowing using oars or sculls; Accessories therefor, other than means for effecting propulsion}
- 2035/735 . . {Towed structures, the towing member, e.g. tow-rope, being connected to the towed structure}
- 2035/737 . . {for particular use, not otherwise provided for}
- 2035/738 . . . {for hunting, or fishing}
- 35/74 . . Body supporting buoyant devices with seat {; and bathing boats}
- 35/76 . . . Ring-shaped buoyant member
- 35/78 . . . U-shaped buoyant members
- 35/79 . . Surf-boards, e.g. sailboards
- 2035/7903 . . . {Body-boards, i.e. surfboards specially adapted for use by users in prone position; Planing members attachable to, or held by body-surfers}
  - 35/7906 . . . {Construction or shape of the boards}
  - 35/7909 . . . . {characterised by the arrangement of constructive parts made predominantly of plastics, e.g. layers}
    - 35/7913 . . . . {inflatable}
    - 35/7916 . . . . {sectionalised}
    - 35/792 . . . . {catamaran-shaped ([B63B 35/7923](#) takes precedence)}
    - 35/7923 . . . . {with hydrofoils ([hydrofoils per se B63B 1/24](#))}
    - 35/7926 . . . . {Fins, keels or steering devices acting on water}
    - 35/793 . . . . . {Fixations for fins which do not normally move during sailing, e.g. fixations that can be slidably set before sailing}
    - 35/7933 . . . {Emergency arrangements and equipment; Other accessories ([anti-theft devices using locks E05B 73/007](#))}
    - 35/7936 . . . . {Arrangements for the feet of the surfer}
    - 2035/794 . . . . {Leashes, i.e. security lines, or tethers connecting a board to the rider, e.g. to a limb; Attachment means therefor}
    - 35/7943 . . . {Motordriven boards}
    - 35/7946 . . . {Stowing or transporting arrangements ([transporting on vehicles B60R 9/08](#))}
    - 35/795 . . . {transformable into another vehicle, e.g. sailboat, watercycle}
    - 35/7953 . . . {Winddriven boards}
    - 2035/7956 . . . . {Masts for winddriven boards; Equipment therefor, other than mastfoot arrangements}
    - 35/7959 . . . . {Mast foot arrangements}
    - 2035/7963 . . . . . {comprising shock absorbing elements}
    - 35/7966 . . . . {Wishbone}
    - 35/7969 . . . . . {Connection to the mast}
    - 35/7973 . . . . {Sail arrangements}
    - 35/7976 . . . . . {Sails pivotally mounted at a mast-tip; Kite-sails ([kites per se B64C 31/06](#))}
- 35/7979 . . . . . {Control means for kite-sails; Harnesses for connecting kite-sails to a user, e.g. of quick release type}
- 35/7983 . . . . . {Sails with detachable sections, e.g. to change the sail area}
- 2035/7986 . . . . . {Clew trimmers, i.e. mechanisms or arrangements for trimming or positioning the clew of the sail, or for tensioning the outhaul}
- 35/7989 . . . . . {Devices to tension the luff of the sail}
- 35/7993 . . . . . {Harnesses or handgrips}
- 35/7996 . . . . . {with elastic connection to the wishbone}
- 35/81 . . Waterskis; Watersledges
- 35/811 . . . {with means for additional lift by provision of hollow bodies}
- 35/812 . . . {Bindings}
- 2035/813 . . . {Fins, keels, or the like water guiding means; Arrangements thereof on waterskis}
- 35/815 . . . {Towing devices}
- 35/816 . . . . {Connection of the tow to the boat; using winches ([winches per se B66D](#))}
- 35/817 . . . . {Handles}
- 2035/818 . . . {Wakeboards, i.e. monobords for users being towed behind a boat, the board comprising bindings oriented substantially perpendicular to the longitudinal axis of the board}
- 35/83 . . Water shoes; Bog shoes
- 35/85 . . Accessories not otherwise provided for, e.g. sticks for water skiing
- 2035/855 . . . {Equipment or arrangements for generating waves, particularly adapted for surfing, waterskiing, or the like}
- 38/00 Vessels or like floating structures not otherwise provided for (vessels characterised by load-accommodating arrangements [B63B 25/00](#); fire-extinguishing vessels [A62C 29/00](#); submarines, mine-layers or mine-sweepers [B63G](#); large containers for use in or under water [B65D 88/78](#))**
- 39/00 Equipment to decrease pitch, roll, or like unwanted vessel movements; Apparatus for indicating vessel attitude {(for amphibious vehicles [B60F 3/0038](#))}**
- 39/005 . {Equipment to decrease ship's vibrations produced externally to the ship, e.g. wave-induced vibrations (propulsion mountings for anti-vibration purposes [B63H 21/30](#); vibration dampers, suppression of vibration in systems [F16F](#))}
- 39/02 . to decrease vessel movements by displacement of masses
  - 39/03 . . by transferring liquids
  - 39/04 . to decrease vessel movements by using gyroscopes directly
  - 39/06 . to decrease vessel movements by using foils acting on ambient water ([constructional aspects of bilge keels B63B 3/44](#) {; foils mounted on the housing of outboard motors [B63H 20/34](#)})
  - 39/061 . . {by using trimflaps, i.e. flaps mounted on the rear of a boat, e.g. speed boat}
  - 39/062 . . {the foils being mounted on outriggers or the like, e.g. antidrift hydrofoils for sail boats ([hydrofoils B63B 1/24](#); drop keels [B63B 41/00](#))}
  - 2039/063 . . {the foils comprising flexible portions}

- 2039/065 . . {the foils being pivotal about an axis substantially parallel to the longitudinal axis of the vessel}
- 2039/066 . . {the lift generating devices using the Magnus effect}
- 2039/067 . . {effecting motion dampening by means of fixed or movable resistance bodies, e.g. by bilge keels}
- 2039/068 . . {the foils having a variable cross section, e.g. a variable camber}
- 39/08 . to decrease vessel movements by using auxiliary jets or propellers (for steering or dynamic anchoring [B63H 25/00](#))
- 39/10 . to decrease vessel movements by damping the waves, e.g. by pouring oil on water
- 2039/105 . . {by absorption of wave energy, e.g. by structured, wave energy absorbing hull surfaces}
- 39/12 . for indicating draught or load
- 39/14 . for indicating inclination or duration of roll
- 41/00 Drop keels, e.g. centre boards or side boards ; Collapsible keels, or the like, e.g. telescopically; Longitudinally split hinged keels (keels integral with hull [B63B 3/38](#); foils or keels on surf-boards [B63B 35/7906](#); stabilising foils [B63B 39/06](#))**
- 2041/003 . {Collapsible keels, or the like, e.g. telescopically; Longitudinally split hinged keels}
- 2041/006 . . {Telescopically collapsible keels}
- 43/00 Improving safety of vessels, e.g. damage control, not otherwise provided for (fire-fighting in ships [A62C 3/10](#))**
- 2043/003 . {Arrangements of emergency exits, e.g. for escape from engine rooms}
- 2043/006 . {Methods or installations specially adapted for detecting ingress of ambient water, e.g. leak detectors}
- 43/02 . reducing risk of capsizing or sinking (by means of watertight doors in bulkheads [B63B 43/24](#))
- 43/04 . . by improving stability
- 2043/042 . . . {using outboard booms supporting ballast, other than solid ballast or persons, e.g. carrying water-filled bags}
- 43/045 . . . {by decreasing the free surface effect of water entered in enclosed decks}
- 2043/047 . . . {by means of hull shapes comprising a wide hull portion near the design water line, and a slender, buoyancy providing, main hull portion extending towards the bottom}
- 43/06 . . . using ballast tanks (conduits for emptying or ballasting [B63B 13/00](#))
- 43/08 . . . by transfer of solid ballast
- 43/085 . . . . {the stabilising effect being provided by the weight of a person placed on an outrigger seat swingable around a vertical axis}
- 43/10 . . by improving buoyancy {(amphibious cycles [B60F 3/0038](#))}
- 43/12 . . . using inboard air containers {or inboard floating members}
- 2043/123 . . . . {using floaters mounted to the tip of a mast, e.g. inflatable}
- 2043/126 . . . . {pneumatic, e.g. inflatable on demand}
- 43/14 . . . using outboard floating members
- 2043/145 . . . . {pneumatic, e.g. inflatable on demand}
- 43/16 . . . Temporary equipment for stopping leaks, e.g. collision mats
- 43/18 . preventing collision {or grounding}; reducing collision damage {(reducing pollution by collision [B63B 25/082](#))}
- 2043/185 . . {using shock absorbing telescoping buffers}
- 43/20 . . Feelers
- 43/24 . Arrangements of watertight doors in bulkheads
- 43/26 . . of sliding type
- 43/28 . . . with mechanical drive
- 43/30 . . . with fluid drive
- 43/32 . . of non-sliding type
- 45/00 Arrangements or adaptations of signalling or lighting devices (arrangement of signalling or lighting devices, the mounting or supporting thereof or circuits therefor, for vehicles in general [B60Q](#); life-buoys, -belts, -jackets, -suits or the like, characterised by signalling means [B63C 9/20](#); lighting devices or systems therefor [F21L](#), [F21S](#))**
- 2045/005 . {comprising particular electric circuits}
- 45/02 . the devices being intended to illuminate the way ahead or other areas of environments
- 45/04 . the devices being intended to indicate the vessel or parts thereof
- 45/06 . the devices being intended to illuminate vessels' decks or interior
- 45/08 . the devices being acoustic
- 49/00 Arrangements of nautical instruments or navigational aids (nautical measuring instruments [G01C](#); radio navigation, analogous arrangements using other waves [G01S](#))**
- 51/00 Marking of navigation route**
- 51/02 . with anchored lightships; by use of lighthouses
- 51/04 . with free-floating flares
- 57/00 Tank {or cargo hold} cleaning specially adapted for vessels (tank cleaning in general [B08B 9/08](#))**
- 2057/005 . {of ballast tanks, e.g. from deposits, biological organisms; Ship-borne installations therefor}
- 57/02 . by washing
- 57/04 . by ventilating
- 59/00 Hull protection peculiar to vessels; Cleaning devices peculiar to vessels and integral therewith (cleaning of vehicles in general [B60S](#); other cleaning in general [B08B](#); inhibiting corrosion of metals by anodic or cathodic protection [C23F 13/00](#))**
- 59/02 . Fenders integral with waterborne vessels or specially adapted therefor, {e.g. fenders forming part of the hull or incorporated in the hull}; Rubbing-strakes (fenders on coasts, in harbours or on other fixed marine structures [E02B 3/26](#))
- 2059/025 . . {pneumatic, e.g. inflatable}
- 59/04 . Preventing hull fouling (anti-fouling paints [C09D 5/16](#))
- 59/045 . . {by wrapping the submerged hull or part of the hull with an impermeable sheet (stopping temporarily leaks in hulls with impermeable sheets [B63B 43/16](#))}
- 59/06 . Cleaning devices for hulls
- 2059/065 . . {mounted on land-borne vehicles, e.g. travelling on the bottom of a dry-dock}
- 59/08 . . of underwater surfaces while afloat ([B63B 59/10](#) takes precedence)
- 2059/082 . . . {the devices being supported on arms or rods}

2059/085	. . . {the devices being adapted for operation by divers}	2221/08	. by means of threaded members, e.g. screws, threaded bolts or nuts
2059/087	. . . {the devices being adapted for being pulled across, or along the underwater surface to be cleaned, e.g. by ropes}	2221/10	. using adhesives
59/10	. . using trolleys or the like driven along the surface	2221/12	. by means of hook and loop fasteners
<b>69/00</b>	<b>Equipment for shipping not otherwise provided for</b>	2221/14	. by means of zippers or the like
<b>2201/00</b>	<b>Signalling devices</b>	2221/16	. by means of ties, ribbons or the like
2201/02	. Audible	2221/18	. by sewing, stitching, stapling or the like methods
2201/04	. Illuminating	2221/20	. Joining substantially rigid elements together by means that allow one or more degrees of freedom, e.g. hinges, articulations, pivots, universal joints, telescoping joints, elastic expansion joints, not otherwise provided for in this class
2201/06	. . by combustion of fluid	2221/22	. . by means that allow one or more degrees of angular freedom, e.g. hinges, articulations, pivots, universal joints, not otherwise provided for in this class
2201/08	. . Electric light	2221/24	. . by means that allow one or more degrees of translational freedom, e.g. telescopic joints, not otherwise provided for in this class
2201/10	. Smoke producing	<b>2231/00</b>	<b>Material used for some parts or elements, or for particular purposes</b>
2201/12	. Reflecting means	2231/02	. Metallic materials
2201/14	. Balloon	2231/04	. . Irons, steels or ferrous alloys
2201/16	. Radio	2231/06	. . . Stainless steels
2201/18	. Sonar	2231/10	. . Aluminium or aluminium alloys
2201/20	. Antenna or mast	2231/12	. . Copper or copper alloys
2201/22	. Spread-open chemicals or other products	2231/14	. . . Bronze, e.g. nickel-aluminium bronze
2201/24	. by means of bubbles	2231/16	. . . Brass
2201/26	. signalling anomalies, e.g. rupture of connection	2231/18	. . Titanium or titanium alloys
<b>2203/00</b>	<b>Communication means</b>	2231/20	. . Magnesium or magnesium alloys
2203/02	. telephone	2231/28	. . Shape-memory alloys
<b>2205/00</b>	<b>Tether</b>	2231/30	. Magnetic materials
2205/02	. Having payout means	2231/32	. Vegetable materials or material comprising predominately vegetable material
2205/04	. . Having means to control payout	2231/34	. . Wood or wood products
2205/06	. . Reel for tether	2231/40	. Synthetic materials
2205/08	. with means for recovering the sunken object	2231/42	. . Elastomeric materials
<b>2207/00</b>	<b>Buoyancy or ballast means</b>	2231/44	. . . Rubber
2207/02	. Variable ballast or buoyancy	2231/46	. . . . Natural rubber or caoutchouc
2207/04	. Pressure equalising or adjusting	2231/48	. . . . Synthetic rubber, e.g. silicone rubber, Neoprene, polyurethane
<b>2209/00</b>	<b>Energy supply or activating means</b>	2231/50	. . Foamed synthetic materials
2209/02	. water activated switches	2231/52	. . Fibre reinforced plastics materials
2209/04	. water activated batteries	2231/60	. Concretes
2209/06	. fluid produced by reaction with water	2231/62	. . Lightweight concretes
2209/08	. impact with water-surface or -bottom	2231/64	. . Reinforced or armoured concretes
2209/10	. pyrotechnic means	2231/66	. . . Fibre reinforced concretes, e.g. synthetic fibre reinforced concretes
2209/12	. with time-delay	2231/68	. . Prestressed concretes
2209/14	. energy generated by movement of the water	2231/70	. Glass
2209/16	. nuclear energy	2231/72	. . Hollow glass microspheres
2209/18	. solar energy	2231/74	. Bituminous materials or the like
2209/20	. wind energy	2231/76	. Ice
<b>2211/00</b>	<b>Applications</b>	<b>2241/00</b>	<b>Design characteristics</b>
2211/02	. Oceanography	2241/02	. Design characterised by particular shapes
2211/04	. Diving	2241/04	. . by particular cross sections
2211/06	. Operation in ice-infested waters	2241/06	. . . Circular cross sections
<b>2213/00</b>	<b>Navigational aids and use thereof, not otherwise provided for in this class</b>	2241/08	. . . Polygonal cross sections
2213/02	. using satellite radio beacon positioning systems, e.g. the Global Positioning System GPS	2241/10	. . by particular three dimensional shapes
<b>2221/00</b>	<b>Methods and means for joining members or elements</b>	2241/12	. . . annular or toroidal
2221/02	. by welding	2241/14	. . . spherical
2221/04	. by soldering		
2221/06	. by riveting		

- 2241/16 . . . polyhedral
- 2241/20 . Designs or arrangements for particular purposes not otherwise provided for in this class
- 2241/22 . . for providing redundancy to equipment or functionality of a vessel, e.g. for steering
- 2241/24 . . for facilitating transport, e.g. hull shape with limited dimensions
- 2241/26 . . . for transport on roads, e.g. hull shape with maximum dimensions for public roads
- 2241/28 . . . for airborne transport

#### 2701/00 Building of the ship's hull

(Frozen)

##### **WARNING**

Groups [B63B 2701/00](#) - [B63B 2770/00](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#), [B63C 1/00](#) - [B63C 15/00](#), [B63G 1/00](#) - [B63G 2013/027](#), [B63H 1/00](#) - [B63H 25/52](#), [B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 2701/02 . Steel construction  
(Frozen)
- 2701/04 . Reinforced concrete construction  
(Frozen)
- 2701/06 . Wood construction; Composite construction  
(Frozen)
- 2701/08 . Electric and fusion welding for ships ([welding in general B23K](#))  
(Frozen)
- 2701/10 . Keelsons, floors, double bottoms, tanks, coal bunkers, tunnels, engine and boiler rooms  
(Frozen)
- 2701/12 . Frames, web frames, deck beams, longitudinal girders, coamings, deck pillars  
(Frozen)
- 2701/14 . Deck plating, wooden decks for steel ships  
(Frozen)
- 2701/16 . Shell plating and bulwarks; Fenders; Gunwales; Bilge keels and other elements fixed to the shell  
(Frozen)
- 2701/18 . Longitudinal and transverse bulkheads made of steel or wood  
(Frozen)
- 2701/20 . Stems and keels; Stern frames; Bossings and struts; Propeller guards  
(Frozen)
- 2701/22 . Lining and panelling in wood or metal; Movable partition walls within accommodation spaces; Insulating walls; Stairs; Windshields on decks (internal partitions for buildings [E04B 2/00](#))  
(Frozen)

#### 2702/00 Submarines

(Frozen)

##### **WARNING**

Groups [B63B 2702/00](#) - [B63B 2702/14](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#), [B63C 1/00](#) - [B63C 15/00](#), [B63G 1/00](#) - [B63G 2013/027](#), [B63H 1/00](#) - [B63H 25/52](#), [B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 2702/02 . Equipment for lifting sunken submarines  
(Frozen) ([Equipment for salvaging sunken vessels or other objects B63C 7/00](#))
- 2702/04 . Arrangements of motors and transmissions in submarines; Propulsion  
(Frozen)
- 2702/06 . Arrangements for the transportation, drydocking, and testing of submarines ([drydocking B63C 1/00](#))  
(Frozen)
- 2702/08 . Arrangements for anchoring of submarines  
(Frozen)
- 2702/10 . Miscellaneous arrangement for submarines  
(Frozen)
- 2702/12 . Submarines of special construction or fitted with special devices or apparatus; Merchant submarines  
(Frozen)
- 2702/14 . Arrangements for detecting and localising submarines ([Acoustic detection G01S](#), [electromagnetic detection G01N](#))  
(Frozen)

#### 2704/00 Port-holes, windows, doors and other openings in the superstructures

(Frozen)

##### **WARNING**

Group [B63B 2704/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#), [B63C 1/00](#) - [B63C 15/00](#), [B63G 1/00](#) - [B63G 2013/027](#), [B63H 1/00](#) - [B63H 25/52](#), [B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

#### 2705/00 Closets, latrines, swimming pools and washing facilities for ships; Overboard discharges

(Frozen)

##### **WARNING**

Group [B63B 2705/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#), [B63C 1/00](#) - [B63C 15/00](#), [B63G 1/00](#) - [B63G 2013/027](#), [B63H 1/00](#) - [B63H 25/52](#), [B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

#### 2707/00 Doors and closing means

(Frozen)

##### **WARNING**

Group [B63B 2707/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#), [B63C 1/00](#) - [B63C 15/00](#), [B63G 1/00](#) - [B63G 2013/027](#), [B63H 1/00](#) - [B63H 25/52](#), [B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.



<b>2708/00</b> (Frozen)	<b>Winches; Capstans</b> <b>WARNING</b> Groups <a href="#">B63B 2708/00</a> - <a href="#">B63B 2708/02</a> is no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups <a href="#">B63B 1/00</a> - <a href="#">B63B 2241/28</a> , <a href="#">B63C 1/00</a> - <a href="#">B63C 15/00</a> , <a href="#">B63G 1/00</a> - <a href="#">B63G 2013/027</a> , <a href="#">B63H 1/00</a> - <a href="#">B63H 25/52</a> , <a href="#">B63J 1/00</a> - <a href="#">B63J 2099/008</a> . All groups listed in this Warning should be considered in order to perform a complete search.	<b>2712/00</b> (Frozen)	<b>Equipment for handling the boats by means of turning davits, i.e. a set formed by the davit, davit foundation, davit drive, boat support, boat guides, boat pulley blocks and winches</b> <b>WARNING</b> Group <a href="#">B63B 2712/00</a> - <a href="#">B63B 2712/02</a> are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups <a href="#">B63B 1/00</a> - <a href="#">B63B 2241/28</a> , <a href="#">B63C 1/00</a> - <a href="#">B63C 15/00</a> , <a href="#">B63G 1/00</a> - <a href="#">B63G 2013/027</a> , <a href="#">B63H 1/00</a> - <a href="#">B63H 25/52</a> , <a href="#">B63J 1/00</a> - <a href="#">B63J 2099/008</a> . All groups listed in this Warning should be considered in order to perform a complete search.
<b>2708/02</b> (Frozen)	• Winches and capstans driven by electric or electro-hydraulic means	<b>2712/02</b> (Frozen)	• Equipment for handling the boats by means of swinging davits, i.e. a set formed by the davit, davit foundation, davit drive, boat support, boat guides, boat pulley blocks and winches
<b>2709/00</b> (Frozen)	<b>Tables, chairs and other furniture peculiar to vessels</b> <b>WARNING</b> Group <a href="#">B63B 2709/00</a> is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups <a href="#">B63B 1/00</a> - <a href="#">B63B 2241/28</a> , <a href="#">B63C 1/00</a> - <a href="#">B63C 15/00</a> , <a href="#">B63G 1/00</a> - <a href="#">B63G 2013/027</a> , <a href="#">B63H 1/00</a> - <a href="#">B63H 25/52</a> , <a href="#">B63J 1/00</a> - <a href="#">B63J 2099/008</a> . All groups listed in this Warning should be considered in order to perform a complete search.	<b>2713/00</b> (Frozen)	<b>Stowing of the boats, i.e. arrangement, chocks, lashing down and transport of the boats on deck</b> <b>WARNING</b> Group <a href="#">B63B 2713/00</a> is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups <a href="#">B63B 1/00</a> - <a href="#">B63B 2241/28</a> , <a href="#">B63C 1/00</a> - <a href="#">B63C 15/00</a> , <a href="#">B63G 1/00</a> - <a href="#">B63G 2013/027</a> , <a href="#">B63H 1/00</a> - <a href="#">B63H 25/52</a> , <a href="#">B63J 1/00</a> - <a href="#">B63J 2099/008</a> . All groups listed in this Warning should be considered in order to perform a complete search.
<b>2710/00</b> (Frozen)	<b>Miscellaneous equipment for ships, e.g. collision mats, rat guards</b> <b>WARNING</b> Group <a href="#">B63B 2710/00</a> is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups <a href="#">B63B 1/00</a> - <a href="#">B63B 2241/28</a> , <a href="#">B63C 1/00</a> - <a href="#">B63C 15/00</a> , <a href="#">B63G 1/00</a> - <a href="#">B63G 2013/027</a> , <a href="#">B63H 1/00</a> - <a href="#">B63H 25/52</a> , <a href="#">B63J 1/00</a> - <a href="#">B63J 2099/008</a> . All groups listed in this Warning should be considered in order to perform a complete search.	<b>2714/00</b> (Frozen)	<b>Construction of turning davits, davit foundations and davit drives</b> <b>WARNING</b> Groups <a href="#">B63B 2714/00</a> - <a href="#">B63B 2714/02</a> are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups <a href="#">B63B 1/00</a> - <a href="#">B63B 2241/28</a> , <a href="#">B63C 1/00</a> - <a href="#">B63C 15/00</a> , <a href="#">B63G 1/00</a> - <a href="#">B63G 2013/027</a> , <a href="#">B63H 1/00</a> - <a href="#">B63H 25/52</a> , <a href="#">B63J 1/00</a> - <a href="#">B63J 2099/008</a> . All groups listed in this Warning should be considered in order to perform a complete search.
<b>2711/00</b> (Frozen)	<b>Equipment for watching and measuring the oscillations, the resistance and the movements of ships; Model towing tanks</b> <b>WARNING</b> Group <a href="#">B63B 2711/00</a> is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups <a href="#">B63B 1/00</a> - <a href="#">B63B 2241/28</a> , <a href="#">B63C 1/00</a> - <a href="#">B63C 15/00</a> , <a href="#">B63G 1/00</a> - <a href="#">B63G 2013/027</a> , <a href="#">B63H 1/00</a> - <a href="#">B63H 25/52</a> , <a href="#">B63J 1/00</a> - <a href="#">B63J 2099/008</a> . All groups listed in this Warning should be considered in order to perform a complete search.	<b>2714/02</b> (Frozen)	• Construction of swinging davits and other davits and of davit foundation and drives

**2715/00 Hydraulic and pneumatic steering gear***(Frozen)***WARNING**

Group [B63B 2715/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2716/00 Steam-powered steering gear***(Frozen)***WARNING**

Group [B63B 2716/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2717/00 Hand-operated steering gears; Combined hand and steam-powered steering gears***(Frozen)***WARNING**

Group [B63B 2717/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2718/00 Components of the steering gears, e.g. steering wheels, telemotors, driving chains, shock dampers, quadrants, arrangements to block the rudder, brakes, rudder stops***(Frozen)***WARNING**

Group [B63B 2718/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2719/00 Arrangements for slowing-down of ships by means of side flaps and for creating a lateral resistance for maneuvering***(Frozen)***WARNING**

Group [B63B 2719/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2721/00 Automatic steering apparatus, non-electric***(Frozen)***WARNING**

Groups [B63B 2721/00](#) - [B63B 2721/02](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2721/02 Auxiliary steering gear and other steering arrangements***(Frozen)***2722/00 Towing in general***(Frozen)***WARNING**

Group [B63B 2722/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2723/00 Miscellaneous equipment for towing***(Frozen)***WARNING**

Group [B63B 2723/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2724/00** Navigation signals, e.g. masthead and side lights,  
(Frozen) marking of seaways, arrangements of compasses

**WARNING**

Group [B63B 2724/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2725/00** Engine room signals and arrangements for  
(Frozen) controlling the main engines from the navigation bridge

**WARNING**

Group [B63B 2725/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2726/00** Miscellaneous signalling devices and draft  
(Frozen) indicators

**WARNING**

Group [B63B 2726/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2727/00** Signalling devices using acoustic or mechanical  
(Frozen) means

**WARNING**

Groups [B63B 2727/00](#) - [B63B 2727/02](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2727/02** . Arrangements for the detection of icebergs, reefs,  
(Frozen) derelicts, or the like

**2728/00** Lifeboats, liferafts, lifesaving floats, etc.  
(Frozen)

**WARNING**

Group [B63B 2728/00](#) is no longer used for the classification of documents as of May 1, 2019.

**2729/00** Coastal lifesaving  
(Frozen)

**WARNING**

Group [B63B 2729/00](#) is no longer used for the classification of documents as of May 1, 2019.

**2730/00** Diving suits  
(Frozen)

**WARNING**

Groups [B63B 2730/00](#) - [B63B 2730/02](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2730/02** . Resilient suits  
(Frozen)

**2731/00** Arrangements for avoiding capsizing and sinking  
(Frozen)

**WARNING**

Group [B63B 2731/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2732/00** Arrangements for avoiding or reducing collision  
(Frozen) damage

**WARNING**

Group [B63B 2732/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2733/00** Arrangements for reducing the risk of running  
(Frozen) aground; Depth sounders

**WARNING**

Group [B63B 2733/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2734/00** Loading and unloading ships by ship-mounted  
(Frozen) means

**WARNING**

Group [B63B 2734/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2735/00** Miscellaneous shipbuilding-related arrangements  
(Frozen) and constructions, e.g. pontoons

**WARNING**

Group [B63B 2735/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2736/00** Slipways, shipyard installations and apparatus for  
(Frozen) launching or hauling-out ships

**WARNING**

Group [B63B 2736/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2737/00** Dry and floating docks; Cleaning devices for hulls;  
(Frozen) Drydocking of hull parts; Equipment for dry and floating docks

**WARNING**

Group [B63B 2737/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2738/00** Re-floating of ships and sunken objects  
(Frozen)

**WARNING**

Group [B63B 2738/00](#) - [B63B 2738/12](#) is no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

2738/02 • Salvaging of ships by means of floats  
(Frozen)

2738/04 • Salvaging of ships using cofferdams  
(Frozen)

2738/06 • Salvaging of ships using diving bells  
(Frozen)

2738/08 • Salvaging of ships by other means, e.g. using balloons or frozen blocks  
(Frozen)

2738/10 • Floating docks for lifting ships  
(Frozen)

2738/12 • Attaching floats and chains to the hull by mechanical means; Lifting chains  
(Frozen)

**2739/00** Boats or canoes in general; Construction and  
(Frozen) outfitting

**WARNING**

Group [B63B 2739/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.



**2741/00** **Manual propulsion; Paddles**  
(Frozen)

**WARNING**

Group [B63B 2741/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2742/00** **Anti-torpedo nets and shields for ships; Anti-submarine nets and devices for the protection of harbours and means for the destruction thereof**  
(Frozen)

**WARNING**

Groups [B63B 2742/00](#) - [B63B 2742/02](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 2742/02** • Arrangements on ships for reducing danger due to torpedo or sea mine explosions  
(Frozen)

**2743/00** **Paddle wheels for ships in general**  
(Frozen)

**WARNING**

Group [B63B 2743/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2744/00** **Stern paddle wheels**  
(Frozen)

**WARNING**

Group [B63B 2744/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2745/00** **Propellers for ships in general (construction of air propellers [B64C](#))**  
(Frozen)

**WARNING**

Groups [B63B 2745/00](#) - [B63B 2745/04](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 2745/02** • Contra-propellers and other water guiding installations in front of or behind the rotating propeller (rudders with water guiding surfaces [B63H 25/00](#))  
(Frozen)

- 2745/04** • Propulsive devices, e.g. rotating cylinders, paddle wheels; Rudders or stabilising surfaces using Magnus effect  
(Frozen)

**2746/00** **Propellers with air exhaust, e.g. hollow propellers for ships**  
(Frozen)

**WARNING**

Group [B63B 2746/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2747/00** **Arrangements of propellers and other propulsive devices on ships**  
(Frozen)

**WARNING**

Groups [B63B 2747/00](#) - [B63B 2747/02](#) are no longer used for the classification of documents as of May 1, 2019.

The content of these groups is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

- 2747/02** • Propellers driven by outboard motors placed astern or on the sides of the ship  
(Frozen)

**2748/00 Propeller hubs and blade connections***(Frozen)***WARNING**

Group [B63B 2748/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2749/00 Propeller shafts and paddle-wheel shafts; Shaft liners***(Frozen)***WARNING**

Group [B63B 2749/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2750/00 Propeller shaft bearings, thrust bearings***(Frozen)***WARNING**

Group [B63B 2750/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2751/00 Propulsion of ships using the reaction effect of a water jet***(Frozen)***WARNING**

Group [B63B 2751/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2752/00 Propulsion of ships using the reaction effect of steam jets or gas jets***(Frozen)***WARNING**

Group [B63B 2752/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2753/00 Propulsion of ships using the reaction effect of gas explosions***(Frozen)***WARNING**

Group [B63B 2753/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2754/00 Propulsive flaps***(Frozen)***WARNING**

Group [B63B 2754/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2755/00 Electric drives for the propulsive devices***(Frozen)***WARNING**

Group [B63B 2755/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2756/00** Steam reciprocating engine drives for the  
(Frozen) propulsive devices

**WARNING**

Group [B63B 2756/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2757/00** Steam turbine drives for the propulsive devices  
(Frozen)

**WARNING**

Group [B63B 2757/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2758/00** Internal combustion engine drives for the  
(Frozen) propulsive devices

**WARNING**

Group [B63B 2758/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2759/00** Other means for driving marine propulsion  
(Frozen) devices; Arrangements for synchronising two or more engines

**WARNING**

Group [B63B 2759/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2760/00** Marine drive governors that are influenced by the  
(Frozen) movements of the ship

**WARNING**

Group [B63B 2760/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.

**2770/00** Apparatus or methods specially adapted for use on  
(Frozen) marine vessels, for handling power plant or unit liquids, e.g. lubricants, coolants, fuels or the like

**WARNING**

Group [B63B 2770/00](#) is no longer used for the classification of documents as of May 1, 2019.

The content of this group is being reclassified into groups [B63B 1/00](#) - [B63B 2241/28](#),  
[B63C 1/00](#) - [B63C 15/00](#),  
[B63G 1/00](#) - [B63G 2013/027](#),  
[B63H 1/00](#) - [B63H 25/52](#),  
[B63J 1/00](#) - [B63J 2099/008](#).

All groups listed in this Warning should be considered in order to perform a complete search.