

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 (arrangements of vessel ventilation, heating, cooling, or air-conditioning [B63J 2/00](#); floating substructures as supports of dredgers or soil-shifting machines [E02F 9/06](#))

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.

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| 1/00 | Hydrodynamic or hydrostatic features of hulls or of hydrofoils (hulls peculiar to submarines B63B 3/13; keels B63B 3/38) | 1/12 | . . . the hulls being interconnected rigidly { B63B 1/107 takes precedence } |
| 2001/005 | . {Deflectors for spray, e.g. for guiding spray generated at the bow of a planing vessel underneath the hull} | 1/121 | {comprising two hulls B63B 1/107 takes precedence} |
| 1/02 | . deriving lift mainly from water displacement (B63B 1/16 takes precedence) | 2001/123 | {interconnected by a plurality of beams, or the like members only} |
| 1/04 | . . with single hull | 1/125 | {comprising more than two hulls (B63B 1/107 takes precedence)} |
| 1/041 | . . . {with disk-shaped hull} | 2001/126 | {comprising more than three hulls} |
| 1/042 | . . . {the underpart of which being partly provided with channels or the like, e.g. catamaran shaped} | 2001/128 | {comprising underwater connectors between the hulls} |
| 2001/044 | . . . {with a small waterline area compared to total displacement, e.g. of semi-submersible type} | 1/14 | . . . the hulls being interconnected resiliently {or having means for actively varying hull shape or configuration (collapsible , foldable , inflatable or like vessels B63B 7/00)} |
| 2001/045 | . . . {with means for actively varying hull shape or configuration, e.g. for varying hydrodynamic characteristics} | 2001/145 | {having means for actively varying hull shape or configuration} |
| 1/047 | . . . {with spherical hull or hull in the shape of a vertical ring (freely movable rolling hoops , e.g. gyro wheels for exercising A63B 19/02)} | 1/16 | . deriving additional lift from hydrodynamic forces |
| 1/048 | . . . {with hull extending principally vertically} | 1/18 | . . of hydroplane type |
| 1/06 | . . . Shape of fore part | 2001/183 | . . . {having non-floating planing surfaces, e.g. attached skis or plate-shaped bodies} |
| 1/063 | {Bulbous bows} | 2001/186 | . . . {Sponsons; Arrangements thereof} |
| 2001/066 | {Substantially vertical stems} | 1/20 | . . . having more than one planing surface (B63B 1/22 takes precedence) |
| 1/08 | . . . Shape of aft part | 2001/201 | {divided by longitudinal chines} |
| 1/10 | . . with multiple hulls | 2001/202 | {divided by transverse steps} |
| 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} | 2001/203 | {arranged in semi-catamaran configuration} |
| 1/105 | . . . {comprising a cockpit surrounded and pivotally supported by at least three floats} | 2001/204 | {arranged on multiple hulls} |
| 1/107 | . . . {Semi-submersibles; Small waterline area multiple hull vessels and the like, e.g. SWATH} | 2001/205 | {the hulls being interconnected rigidly} |
| | | 2001/206 | {comprising two hulls, e.g. catamarans} |
| | | 2001/207 | {comprising more than two hulls} |
| | | 2001/208 | {comprising three hulls, e.g. trimarans} |

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| 2001/209 | {the hulls being interconnected resiliently, or having means for actively varying hull shape or configuration} | 3/00 | Hulls characterised by their structure or component parts (non-metallic hulls B63B 5/00; designing, building, maintaining or repairing methods B63B 71/00 - B63B 83/00) |
| 1/22 | . . . with adjustable planing surfaces | 3/02 | . . . Hulls assembled from prefabricated sub-units |
| 1/24 | . . . of hydrofoil type (hydrofoils for water sports boards B63B 32/60 ; hydrofoils for other water sports body supporting devices B63B 34/40) | 3/04 | . . . with permanently-connected sub-units |
| | WARNING | 3/06 | . . . the sub-units being substantially identical |
| | Groups B63B 1/24 - B63B 1/30 are impacted by reclassification into groups B63B 32/60 , B63B 32/62 , B63B 32/64 , B63B 32/66 , B63B 32/68 , B63B 34/40 , B63B 34/45 , and B63H 8/24 . | 3/08 | . . . with detachably-connected sub-units |
| | All groups listed in this Warning should be considered in order to perform a complete search. | 2003/085 | . . . {Multiple hull vessels, e.g. catamarans, assembled from detachably-connected sub-units} |
| 1/242 | . . . {Mounting, suspension of the foils (B63B 1/30 takes precedence)} | 3/09 | . . . Hulls constructed of non-magnetic metal |
| 1/244 | . . . {Safety systems, e.g. when striking an object} | 3/10 | . . . Armoured hulls |
| 1/246 | . . . {Arrangements of propulsion elements} | 3/12 | . . . Frameless hulls |
| 1/248 | . . . {Shape, hydrodynamic features, construction of the foil} | 3/13 | . . . Hulls built to withstand hydrostatic pressure when fully submerged, e.g. submarine hulls |
| 1/26 | . . . having more than one hydrofoil (B63B 1/28 takes precedence) | 3/14 | . . . Hull parts (hull armour B63B 3/10) |
| 1/28 | . . . with movable hydrofoils | 3/142 | . . . {Connections between the shell and deck} |
| 2001/281 | {movable about an axis substantially parallel to the flow direction} | 2003/145 | . . . {Frameworks, i.e. load bearing assemblies of trusses and girders interconnected at nodal points} |
| 1/283 | {movable around a vertical axis, e.g. for steering} | 2003/147 | . . . {Moon-pools, e.g. for offshore drilling vessels} |
| 1/285 | {changing the angle of attack or the lift of the foil} | 3/16 | . . . Shells (ports or closures therefor B63B 19/00) |
| 1/286 | {using flaps} | 3/18 | . . . characterised by being formed predominantly of parts that may be developed into plane surfaces |
| 1/288 | {using gas exhaust through the foil} | 3/185 | {comprising only flat panels} |
| 1/30 | retracting or folding (B63B 1/244 takes precedence)} | 3/20 | . . . of double type |
| 1/32 | . . . Other means for varying the inherent hydrodynamic characteristics of hulls | 3/22 | . . . with corrugations |
| 1/322 | . . . {using aerodynamic elements, e.g. aerofoils producing a lifting force (flying boats B64C 35/00)} | 3/24 | . . . Means for diminishing external ridges of protrusions |
| 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} | 3/26 | . . . Frames |
| 2001/327 | . . . {using magneto-hydrodynamic forces} | 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} |
| 1/34 | . . . by reducing surface friction | 3/28 | . . . of transverse type; Stringers |
| 2001/345 | . . . {by ejecting friction reducing solids or liquids, e.g. polymers} | 3/30 | Bilge knees; Beam knees |
| 1/36 | . . . using mechanical means | 3/32 | . . . Web frames; Web beams |
| 1/38 | . . . using air bubbles or air layers {gas filled volumes (waterborne vessels travelling on air cushions B60V 3/06)} | 3/34 | . . . of longitudinal type; Bulkhead connections |
| 2001/382 | {by making use of supercavitation, e.g. for underwater vehicles} | 3/36 | . . . Combined frame systems |
| 2001/385 | {using exhaust gas} | 3/38 | . . . Keels (movable keels B63B 41/00) |
| 2001/387 | {using means for producing a film of air or air bubbles over at least a significant portion of the hull surface} | 2003/382 | . . . {adapted for housing energy accumulators, e.g. batteries} |
| 1/40 | . . . by diminishing wave resistance | 2003/385 | . . . {with means for controlling heeling or rolling motions, or lift, e.g. flaps, by changing geometry, or by ballast displacement} |
| | | 2003/387 | . . . {adapted for housing propulsion plant elements} |
| | | 3/40 | . . . Stern posts; Stern frames |
| | | 3/42 | . . . Shaft brackets |
| | | 2003/425 | . . . {having features not related to structural construction, e.g. hydrodynamic properties or bearings} |
| | | 3/44 | . . . Bilge keels (stabilising aspect B63B 39/06) |
| | | 3/46 | . . . Stems |
| | | 3/48 | . . . Decks (planking B63B 5/06) |
| | | 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 (arrangements of watertight doors B63B 43/24) |

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| 3/58 | . . . with flat plating | 7/08 | . . Inflatable (inflatable water sports boards B63B 32/51 ; inflatable canoes, kayaks or the like being inflatable or having inflatable parts B63B 34/22) |
| 3/60 | . . . with curved or corrugated plating | | WARNING |
| 3/62 | . . Double bottoms; Tank tops | | Groups B63B 7/08 - B63B 7/082 are impacted by reclassification into groups B63B 32/51 and B63B 34/22 . |
| 3/64 | . . . Keelsons | | All groups listed in this Warning should be considered in order to perform a complete search. |
| 3/66 | . . Gratings | | |
| 3/68 | . . Panellings; Linings, e.g. for insulating purposes | | |
| 3/70 | . . Reinforcements for carrying localised loads, e.g. propulsion plant, guns | | |
| 5/00 | Hulls characterised by their construction of non-metallic material | | |
| 5/02 | . made predominantly of wood | | |
| 5/04 | . . Carcasses | 7/082 | . . . {having parts of rigid material} |
| 5/06 | . . Decks; Shells | 7/085 | . . . {Accessories or mountings specially adapted therefor, e.g. seats, sailing kits, motor mountings} |
| 5/065 | . . . {caulking decks (mortise chisels for wood B25D 3/00)} | | WARNING |
| 5/08 | . . . with single-layer planking | | Groups B63B 7/085 – B63B 7/087 are impacted by reclassification into groups B63B 32/30 , B63B 32/51 , B63B 32/77 , B63B 32/80 , B63B 32/83 , B63B 32/87 , B63B 34/22 , B63B 34/26 , B63B 34/30 , B63B 34/45 , B63B 34/565 , B63B 32/70 , B63H 8/23 , B63H 8/25 , B63H 8/50 , B63H 8/52 , B63H 8/54 , B63H 8/56 , B63H 8/58 and B63H 8/70 . |
| 5/10 | . . . with multiple-layer planking | | All groups listed in this Warning should be considered in order to perform a complete search. |
| 5/12 | . made predominantly of wood with metal reinforcement, i.e. composite construction | | |
| 5/14 | . made predominantly of concrete, e.g. reinforced | | |
| 5/16 | . . monolithic | | |
| 5/18 | . . built-up from elements | | |
| 5/20 | . . . in combination with elements of other materials | | |
| 5/22 | . . with reinforcing members external to shell | | |
| 5/24 | . made predominantly of plastics {(surf boards B63B 32/57)} | | |
| 2005/242 | . . {made of a composite of plastics and other structural materials, e.g. wood or metal} | | |
| 2005/245 | . . . {made of a composite of plastics and metal} | | |
| 2005/247 | . . . {made of a composite of plastics and wood} | 7/087 | {Motor mountings, e.g. transom panels for outboard motors} |
| 7/00 | Collapsible, foldable, inflatable or like vessels (collapsible, foldable or inflatable water sports boards B63B 32/53; collapsible, foldable or inflatable canoes, kayaks or the like B63B 34/23; foldable pontoons B63B 35/36) | 11/00 | Interior subdivision of hulls (bulkhead space construction B63B 3/56) |
| | WARNING | 11/02 | . Arrangement of bulkheads, e.g. defining cargo spaces |
| | Groups B63B 7/00 - B63B 2007/065 are impacted by reclassification into groups B63B 32/53 and B63B 34/23 . | 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 B63B 17/0027 ; } cleaning of tanks B63B 57/00) |
| | All groups listed in this Warning should be considered in order to perform a complete search. | 11/06 | . Propeller-shaft tunnels |
| 2007/003 | . {with foldable members} | 13/00 | Conduits for emptying or ballasting; Self-bailing equipment; Scuppers (draining means for hatches B63B 19/26; centrifugal bilge-water separators B04; {arrangements of installations for treating ballast water B63J 4/002; } pipes in general F16L) |
| 2007/006 | . {comprising nestable elements} | 2013/005 | . {Sea chests} |
| 7/02 | . comprising only rigid parts | 13/02 | . Ports for passing water through vessels' sides {(jet propulsors with clogging prevention means B63H 11/01)} |
| 7/04 | . . sectionalised (sectionalised water sports boards B63B 32/53 ; sectionalised canoes, kayaks or the like B63B 34/23) | | |
| 7/06 | . having parts of non-rigid material | 15/00 | Superstructures {, deckhouses, wheelhouses or the like}; Arrangements or adaptations of masts {or spars, e.g. bowsprits} (loading or unloading equipment B63B 27/00; masts and staying in general E04H; sails, running rigging B63H; {mounting ladders or the like on masts B63B 29/205}) |
| 2007/065 | . . {comprising flexible pockets for receiving removable floaters} | 2015/0008 | . {Bowsprits} |
| | | 2015/0016 | . {Masts characterized by mast configuration or construction} |
| | | 2015/0025 | . . {Bipodded masts, e.g. A-type masts} |
| | | 2015/0033 | . . {Multipodded masts, e.g. tripod-type} |

- 2015/0041 . . {Telescoping masts}
- 2015/005 . . {with means for varying mast position or orientation with respect to the hull}
- 2015/0058 . . . {comprising active mast inclination means}
- 2015/0066 . . . {Inclinable masts with passive righting means, e.g. counterbalancing means}
- 2015/0075 . . . {with mast foot adapted for being moved, e.g. athwartship}
- 15/0083 . {Masts for sailing ships or boats}
- 2015/0091 . . {comprising means for silencing rope noise}
- 15/02 . Staying of masts or of other superstructures
- 17/00 Vessels parts, details, or accessories, not otherwise provided for** {vehicle fittings for preventing or indicating unauthorised use or theft of vehicles in general [B60R 25/00](#); propeller guards, line cutters or other means for protecting propellers or rudders [B63H 5/165](#); protection of power legs of outboard propulsion units [B63H 20/36](#); locking devices for boats, surfboards or parts or accessories thereof [E05B 73/007](#)}
- 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}
- 17/0018 . {Arrangements or devices specially adapted for facilitating access to underwater elements, e.g. to propellers (retractable propellers [B63H 5/125](#); tilting outboard propulsion units [B63H 20/08](#)); Externally attached cofferdams or the like (caissons adapted to laying foundations [E02D 23/00](#) - [E02D 27/00](#))}
- 17/0027 . {Tanks for fuel or the like (constructional features of bunkers [B63B 11/04](#)); Accessories therefor, e.g. tank filler caps (fuel tanks for vehicles in general [B60K 15/03](#); cargo tanks [B63B 25/08](#); cleaning of tanks [B63B 57/00](#); handling of liquids for use in power plants [B63H 21/38](#))}
- 17/0036 . . {Arrangements for minimizing pollution by accidents (associated with cargo tanks [B63B 25/082](#))}
- 2017/0045 . {Caps, hoods, or the like devices for protective purposes, not otherwise provided for}
- 2017/0054 . {Rests or supports for movable ship-borne equipment}
- 2017/0063 . . {Boom rests, i.e. props for main sail booms, derricks, or the like}
- 2017/0072 . {Seaway compensators}
- 17/0081 . {Vibration isolation or damping elements or arrangements, e.g. elastic support of deck-houses (mounting of propulsion plant or unit [B63H 21/30](#); vibration dampers, suppression of vibration in systems [F16F](#))}
- 2017/009 . {Wave breakers, breakwaters, splashboards, or the like}
- 17/02 . Awnings {, including rigid weather protection structures, e.g. sunroofs; Tarpaulins; Accessories for awnings or tarpaulins}
- 17/023 . . {Hatchway tents, e.g. for weather protection of cargo during loading or unloading}
- 2017/026 . . {Rigid awnings, or sunroofs}
- 17/04 . Stanchions; Guard-rails {; Bulwarks or the like}
- 2017/045 . . {Bulwarks, or the like}
- 17/06 . Refuse discharge, e.g. for ash ({arrangements of installations for treating refuse or sludge, e.g. tank washing sludge [B63J 4/00](#); } removal of domestic or like refuse [B65F](#))
- 19/00 Arrangements or adaptations of ports, doors, windows, port-holes, or other openings or covers** (scuppers [B63B 13/00](#); arrangements of watertight doors in bulkheads [B63B 43/24](#))
- 2019/0007 . {Ship's windows}
- 2019/0015 . . {Bull's eyes, or the like ship's windows}
- 2019/0023 . . . {Pivotal bull's eyes with central pivoting axis}
- 2019/003 . . . {Pivotal bull's eyes with peripheral hinge axis}
- 2019/0038 . . {Ship's windows, other than bull's eyes}
- 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}
- 2019/0061 . . {comprising pivotally supported threaded locking bolts}
- 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}
- 2019/0084 {with mechanical drive for effecting simultaneous locking action}
- 2019/0092 . {Fly screens, or the like protection devices against insects, e.g. for insertion into bull's eyes openings}
- 19/02 . Clear-view screens; {Windshields (canopies connected to windshields [B63B 17/02](#))}
- 19/04 . Air-catching equipment related to windows or port-holes ([ventilation B63J 2/00](#))
- 19/06 . . readily detachable
- 19/08 . Ports or like openings in vessels' sides {or at the vessels' bow or stern (forming ramps when open [B63B 27/143](#))}
- 2019/083 . . {Bow ports, e.g. for ferries}
- 2019/086 . . {Stern ports, e.g. for ferries or Ro-Ro-vessels}
- 19/10 . . Coal ports
- 19/12 . Hatches; Hatchways (hatch coamings [B63B 3/54](#))
- 19/14 . . Hatch covers (opening devices in general [E05F](#))
- 2019/145 . . . {with means for adjusting size, e.g. width}
- 19/16 . . . with detachable boards
- 19/18 . . . slidable
- 2019/185 {with sliding bearings}
- 19/19 . . . foldable
- 19/197 actuated by fluid pressure
- 19/203 actuated by cables or the like
- 19/21 . . . of roll-up type
- 19/22 . . Hatch beams
- 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

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| 21/00 | Tying-up; Shifting, towing, or pushing equipment; Anchoring ({of buoys B63B 22/04 ; } dynamic anchoring B63H 25/00 {; equipment for shipping on coasts, in harbours or on other fixed marine structures, e.g. for landing purposes, E02B }) | 21/243 | . . {foldable or capable of being disassembled (Anchors with two or more foldable flukes B63B 21/36)} |
| | WARNING | 2021/246 | . . {comprising elements yielding at a predetermined load, e.g. shear bolts} |
| | Group B63H 21/00 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 B63B 21/20 | 21/26 | . . securing to bed |
| 2021/001 | . {Mooring bars, yokes, or the like, e.g. comprising articulations on both ends} | 2021/262 | . . . {by drag embedment} |
| 2021/002 | . . {Yokes, or the like} | 2021/265 | . . . {by gravity embedment, e.g. by dropping a pile-type anchor from a certain height} |
| 2021/003 | . {Mooring or anchoring equipment, not otherwise provided for} | 2021/267 | . . . {by penetration of anchor into the sea bed using water jets, e.g. by ground or sand fluidisation} |
| 2021/004 | . . {Quick release elements in mooring connections} | 21/27 | . . . by suction |
| 2021/005 | . . {Resilient passive elements to be placed in line with mooring or towing chains, or line connections, e.g. dampers or springs} | 21/28 | . . . driven in by explosive charge |
| 2021/006 | . . {Suction cups, or the like, e.g. for mooring, or for towing or pushing} | 21/29 | . . . by weight, e.g. flukeless weight anchors |
| 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} | 21/30 | . . rigid when in use {(B63B 21/28 takes precedence)} |
| 2021/008 | . . {Load monitors} | 21/32 | . . . with one fluke |
| 2021/009 | . . {Drift monitors} | 21/34 | . . . with two or more flukes |
| 21/02 | . Magnetic mooring equipment | 21/36 | foldable |
| 21/04 | . Fastening or guiding equipment for chains, ropes, hawsers, or the like {(means for fastening cables or ropes in general F16G 11/00)} | 21/38 | . . pivoting when in use {(B63B 21/28 takes precedence)} |
| 21/045 | . . {T-shaped cleats} | 21/40 | . . . with one fluke |
| 21/06 | . . Bollards | 21/42 | of ploughshare type |
| 21/08 | . . Clamping devices (in general F16B ; {means for fastening cables or ropes to one another or to other objects in general F16G 11/00 }) | 21/44 | . . . with two or more flukes |
| 21/10 | . . Fairleads | 21/46 | . . with variable {, e.g.} sliding, connection to the chain {, especially for facilitating the retrieval of the anchor} |
| 21/12 | . . Rat guards | 21/48 | . . Sea-anchors; Drogues |
| 21/14 | . . Hawse-holes; Hawse-pipes; Hawse-hole closures | 21/50 | . Anchoring arrangements {or methods} for special vessels, e.g. for floating drilling platforms or dredgers |
| 21/16 | . using winches (winches per se B66D) | 2021/501 | . . {by means of articulated towers, i.e. slender substantially vertically arranged structures articulated near the sea bed} |
| 21/18 | . Stoppers for anchor chains {(anchor capstans B66D 1/72)} | 21/502 | . . {by means of tension legs} |
| 21/20 | . Adaptations of chains, ropes, hawsers, or the like, or of parts thereof | 2021/504 | . . . {comprising suppressors for vortex induced vibrations} |
| 2021/203 | . . {Mooring cables or ropes, hawsers, or the like; Adaptations thereof} | 2021/505 | . . {Methods for installation or mooring of floating offshore platforms on site} |
| 2021/206 | . . {Weights attached to mooring lines or chains, or the like; Arrangements thereof} | 21/507 | . . {with mooring turrets} |
| 21/22 | . Handling or lashing of anchors | 21/508 | . . . {connected to submerged buoy (mooring buoys per se B63B 22/02)} |
| 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} | 21/54 | . Boat-hooks or the like {, e.g. hooks detachably mounted to a pole} |
| 2021/225 | . . {Marker buoys for indicating position of an anchor, or for providing a line connection between the anchor and the water surface} | 21/56 | . Towing or pushing equipment (tugs B63B 35/66 ; towing arrangements for water sports use B63B 34/60) |
| 21/227 | . . {Stowing the anchor inside the vessel by hauling-in through an aperture in the side walls, stern or bottom} | 2021/563 | . . {Pushing equipment} |
| 21/24 | . Anchors | 2021/566 | . . {comprising running ropes or chains, e.g. endless, driven by ground-borne equipment} |
| | | 21/58 | . . Adaptations of hooks for towing; Towing-hook mountings (hooks in general F16B) |
| | | 21/60 | . . . Quick releases |
| | | 21/62 | . . characterised by moving of more than one vessel (rigid interconnections between pontoons B63B 35/38) |
| | | 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 B63B 21/54 ; shore- or ground-based equipment per se , e.g. vehicles, rails, see the relevant classes) |

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| 21/66 | . . Equipment specially adapted for towing underwater objects or vessels, e.g. fairings for tow-cables ({paravanes for dragging fishing nets A01K 73/02 ; } salvaging underwater vessels or objects B63C 7/00 ; towed underwater vessels B63G 8/42) | 22/26 | . . having means to selectively release contents, e.g. swivel couplings ({ B63B 22/021 takes precedence; } arrangements between ships and off-shore structures for loading or unloading, using pipe lines B63B 27/34 ; pipe joints or couplings, in general F16L) |
| 21/663 | . . . {Fairings} | 22/28 | . . submerged when not in use ({ B63B 22/023 takes precedence}) |
| 2021/666 | . . . {for intermittent towing} | | |
| 22/00 | Buoys ({floating decoys, e.g. for waterfowl A01M 31/06 ; } means for indicating the location of underwater objects B63C 7/26 ; life-buoys, e.g. rings B63C 9/08 ; {mountings of acoustic transducer in underwater equipment, e.g. sonobuoys G10K 11/006 ; electric cables supported on or from floats H02G 9/12 }) | 23/00 | Equipment for handling lifeboats or the like |
| 22/003 | . {adapted for being launched from an aircraft or water vehicle;,, e.g. with brakes deployed in the water} | 23/02 | . Davits, i.e. devices having arms for lowering boats by cables or the like |
| 2022/006 | . {specially adapted for measuring or watch purposes} | 23/04 | . . with arms pivoting on substantially horizontal axes, e.g. gravity type |
| 22/02 | . specially adapted for mooring a vessel | 23/06 | . . . with actual pivots |
| 22/021 | . . {and for transferring fluids, e.g. liquids (container type buoys having means to selectively release contents, not adapted for mooring a vessel B63B 22/26)} | 23/08 | the arms being articulated |
| 22/023 | . . . {submerged when not in use (container type buoys submerged when not in use, not adapted for mooring a vessel B63B 22/28 ; connected to turret B63B 21/508)} | 23/10 | with positive drive of the arms |
| 22/025 | . . . {and comprising a restoring force in the mooring connection provided by means of weight, float or spring devices} | 23/12 | . . . with simulated pivots |
| 22/026 | . . . {and with means to rotate the vessel around the anchored buoy (turrets B63B 21/507)} | 23/14 | using linkages |
| 2022/028 | . . {submerged, e.g. fitting into ship-borne counterpart with or without rotatable turret, or being releasably connected to moored vessel} | 23/16 | using guide tracks |
| 22/04 | . {Fixations or other} anchoring arrangements | 23/18 | . . with arms pivoting on substantially vertical axes |
| 22/06 | . . with means to cause the buoy to surface in response to a transmitted signal ({ B63B 22/023 takes precedence}) | 23/20 | . . . Davits with single arms (cranes in general B66C) |
| 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 | 23/22 | Slings or the like therefor |
| 22/10 | . . . Water soluble or water weakened means, i.e. buoy released by buoy-to-object securing means being destroyed on contact with water | 23/24 | . . . Slewing equipment therefor |
| 22/12 | . . . the surfacing of the buoy being assisted by a gas released or generated on submergence of the buoy | 23/26 | . . with rectilinear translation of boat before lowering |
| 22/14 | . . . Buoy-to-object securing means responsive to hydrostatic pressure | 23/28 | . Devices for projecting or releasing boats for free fall |
| 22/16 | . specially adapted for marking a navigational route (signalling or lighting devices B63B 45/00) | 23/30 | . Devices for guiding boats to water surface |
| 22/163 | . . {comprising a bell or other audible signal} | 23/32 | . . Rigid guides, e.g. having arms pivoted near waterline |
| 22/166 | . . {comprising a light} | 23/34 | . . Guiding means for lowering by cables, e.g. for listing ships |
| 22/18 | . having means to control attitude or position, e.g. reaction surfaces or tether | 23/36 | . . . Skid fenders |
| 22/20 | . . Ballast means | 23/38 | . Transport of boats to davits or the like |
| 22/22 | . Inflatable buoys with gas generating means (B63B 22/12 takes precedence) | 23/40 | . Use of lowering or hoisting gear |
| 22/24 | . container type, i.e. having provision for the storage of material | 23/42 | . . with braking equipment |
| | | 23/44 | . . . on the ship |
| | | 23/46 | . . . in the boat |
| | | 23/48 | . . using winches for boat handling (winches per se B66D) |
| | | 23/50 | . . . with tensioning gear |
| | | 23/52 | . . . with control of winches from boat |
| | | 23/54 | . . with trimming equipment |
| | | 23/56 | . . . controlled from boat |
| | | 23/58 | . . with tackle engaging or release gear |
| | | 23/60 | . . Additional connections between boat and davits |
| | | 23/62 | . Fastening or storing of boats on deck |
| | | 23/64 | . . Lashings; Covers |
| | | 23/66 | . . Blocks; Chocks |
| | | 23/68 | . . . for stacking boats |
| | | 23/70 | . Condition-responsive handling equipment, e.g. automatic release of boat from lowering tackle upon contact with water |
| | | 25/00 | Load-accommodating arrangements, e.g. stowing, trimming; Vessels characterised thereby (trimming otherwise than by cargo division, e.g. by use of ballast B63B 43/06, B63B 43/08; constructive aspects of cargo spaces B63B 11/00; hatches, hatchways B63B 19/12) |
| | | 25/002 | . {for goods other than bulk goods (detachable decks B63B 25/18 ; palletised articles B63B 25/22 ; frozen goods B63B 25/26 ; deck loads B63B 25/28)} |

| | | | |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25/004 | . . {for containers (B63B 25/28 takes precedence)} | 27/22 | . of conveyers, e.g. of endless-belt or screw-type {arrangements of devices with throwing action B63B 27/26 ; arrangements of chutes B63B 27/28 } |
| 25/006 | . . {for floating containers, barges or other floating cargo (for transporting marine vessels B63B 35/40)} | 27/24 | . of pipe-lines |
| 25/008 | . . {for wheeled cargo (B63B 25/20 takes precedence)} | 27/25 | . . for fluidised bulk material |
| 25/02 | . for bulk goods | 27/26 | . of devices with throwing action |
| 2025/022 | . . {comprising flexible receptacles for bulk cargo, e.g. bladders for liquid cargo inserted in tanks} | 27/28 | . of chutes |
| 2025/025 | . . {Vessels adapted for particular combinations of bulk cargo} | 27/29 | . {Other loading or unloading equipment involving a continuous action, not provided in groups B63B 27/22 - B63B 27/28 } |
| 2025/027 | . . . {Ore-bulk-oil carriers} | 27/30 | . {Arrangement of ship-based loading or unloading equipment} for transfer at sea between ships or between ships and off-shore structures |
| 25/04 | . . solid | 27/32 | . . using cableways |
| 25/06 | . . . for cereals | 27/34 | . . using pipe-lines {(anchoring arrangements for special vessels with mooring turrets B63B 21/507 ; buoys specially adapted for mooring a vessel and for transferring fluids, e.g. liquids B63B 22/021)} |
| 25/08 | . . fluid {(constructional features of bunkers B63B 11/04 ; tanks for fuel or the like not forming bunkers B63B 17/0027)} | 27/36 | . {Arrangement of ship-based loading or unloading equipment} for floating cargo {(deployment or recovery of underwater vehicles using lifts of hoists B63B 27/16)} |
| 25/082 | . . . {Arrangements for minimizing pollution by accidents (associated with tanks for fuel or the like not forming bunkers B63B 17/0036)} | | |
| 2025/085 | . . . {comprising separation membranes} | 29/00 | Accommodation for crew or passengers not otherwise provided for |
| 2025/087 | . . . {comprising self-contained tanks installed in the ship structure as separate units} | 29/02 | . Cabins or other living spaces; Construction or arrangement thereof |
| 25/10 | . . . open to ambient air | 2029/022 | . . {Bathing platforms} |
| 25/12 | . . . closed | 29/025 | . . {Modular or prefabricated cabins} |
| 25/14 | pressurised | 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} |
| 25/16 | heat-insulated (insulating panelling B63B 3/68 ; heating or cooling B63J) | 29/04 | . . Furniture peculiar to vessels (floatable furniture B63C 9/30) |
| 25/18 | . Detachable decks | 2029/043 | . . . {Seats; Arrangements thereof on vessels} |
| 25/20 | . . for motor vehicles or the like | 2029/046 | . . . {Tables, e.g. foldable or stowable} |
| 25/22 | . for palletised articles | 29/06 | . . . Fastening to floors |
| 25/24 | . Means for preventing unwanted cargo movement, e.g. dunnage | 29/08 | . . . Storm guards on tables, e.g. fiddles |
| 2025/245 | . . {of wheeled cargo, e.g. vehicle retainers} | 29/10 | . . . Berths; Mounting ladders therefor |
| 25/26 | . for frozen goods | 29/12 | . . . Self-levelling mountings |
| 25/28 | . for deck loads | 29/14 | . . Closet or like flushing arrangements; Washing or bathing facilities peculiar to ships |
| 2025/285 | . . {Means for securing deck containers against unwanted movements} | 2029/145 | . . . {Collapsible or non-permanent privacy rooms, e.g. closets or changing rooms} |
| 27/00 | Arrangement of ship-based loading or unloading equipment for cargo or passengers (self-discharging barges or lighters B63B 35/30; floating cranes B66C 23/52) | 29/16 | . Soil water discharges {(arrangements of installations for treating waste water or sewage B63J 4/006)} |
| 27/04 | . of derricks {, i.e. employing ships' masts} | 29/18 | . Arrangements or adaptations of swimming pools |
| 27/06 | . . {with slewing force exerted at pivoted end} | 29/20 | . Arrangements or adaptations of ladders (mounting ladders for berths B63B 29/10) |
| 27/08 | . of winches | 29/205 | . . {on masts} |
| 27/10 | . of cranes | 29/22 | . Galleys |
| 27/12 | . . of gantry type | | |
| 27/14 | . of ramps, gangways or outboard ladders {; Pilot lifts} | 32/00 | Water sports boards; Accessories therefor |
| 2027/141 | . . {telescopically extendable} | | NOTE |
| 27/143 | . . {Ramps} | | This group covers: floating structures having a substantially thin body with respect to the width, usually meant to carry one user, which are specially adapted for water sports or leisure, e.g. surfboards, windsurfing boards, wakeboards, |
| 2027/145 | . . . {Inflatable ramps} | | |
| 27/146 | . . {Pilot ladders or similar outboard ladders, e.g. bathing ladders; Pilot lifts} | | |
| 2027/148 | . . . {Pilot lifts} | | |
| 27/16 | . of lifts or hoists {(pilot lifts B63B 27/146)} | | |
| 2027/165 | . . {Deployment or recovery of underwater vehicles using lifts or hoists} | | |
| 27/18 | . of cableways, e.g. with breeches-buoys | | |
| 27/19 | . {Other loading or unloading equipment involving an intermittent action, not provided in groups B63B 27/04 - B63B 27/18 } | | |

B63B

B63B 32/00
(continued)

stand-up paddle [SUP] boards or water skis;
accessories for such structures.

WARNING

Group [B63B 32/00](#) is incomplete pending reclassification of documents from group [B63B 35/00](#).

Group [B63B 32/00](#) is also impacted by reclassification into groups [A63B 69/0093](#), [B63B 32/10](#), [B63B 32/20](#), [B63B 32/22](#), [B63B 32/30](#), [B63B 32/35](#), [B63B 32/40](#), [B63B 32/45](#), [B63B 32/47](#), [B63B 32/50](#), [B63B 32/51](#), [B63B 32/53](#), [B63B 32/55](#), [B63B 32/56](#), [B63B 32/57](#), [B63B 32/59](#), [B63B 32/60](#), [B63B 32/62](#), [B63B 32/64](#), [B63B 32/66](#), [B63B 32/68](#), [B63B 32/70](#), [B63B 32/73](#), [B63B 32/77](#), [B63B 32/80](#), [B63B 32/83](#), [B63B 32/87](#), [B63B 34/30](#), [B63B 34/45](#), [B63B 34/50](#), [B63B 34/52](#), [B63B 34/54](#), [B63B 34/56](#), [B63B 34/565](#), [B63B 34/70](#), [B63B 34/75](#), [B63H 8/23](#), [B63H 8/24](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#), [B63H 8/58](#), [B63H 8/70](#) and [E04H 4/0006](#).

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

- 32/10 . . Motor-propelled water sports boards (power-driven personal watercraft [B63B 34/10](#))

WARNING

Group [B63B 32/10](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Groups [B63B 32/00](#), [B63B 35/00](#), [B63B 32/10](#) should be considered in order to perform a complete search.

- 32/20 . . Boards specially adapted for use in a prone position, e.g. wild-water sledges (towed water sledges [B63B 34/54](#))

WARNING

Group [B63B 32/20](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/20](#) is also impacted by reclassification into groups [A63B 69/0093](#), [B63B 32/22](#), [B63B 32/30](#), [B63B 32/40](#), [B63B 32/50](#), [B63B 32/57](#), [B63B 32/59](#), [B63B 34/50](#), [B63B 34/52](#), [B63B 34/54](#), [B63B 34/56](#), [B63B 34/70](#), [B63B 34/75](#) and [E04H 4/0006](#).

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

- 32/22 . . Bodyboards for surfing; Accessories specially adapted therefor

WARNING

Group [B63B 32/22](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).

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

- 32/30 . . Water skis fastened to the user's feet; Accessories specially adapted therefor

WARNING

Group [B63B 32/30](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/20](#), [B63B 32/70](#) and [B63B 35/00](#).

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

- 32/35 . . {Bindings}

WARNING

Group [B63B 32/35](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/35](#) is also impacted by reclassification into group [B63B 32/47](#).

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

- 32/40 . . Twintip boards; Wakeboards; Surfboards; Windsurfing boards; Paddle boards, e.g. SUP boards; Accessories specially adapted therefor

WARNING

Group [B63B 32/40](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 32/50](#) and [B63B 35/00](#).

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

- 32/45 . . {Fixation means for feet of the board user, e.g. footstraps}

WARNING

Group [B63B 32/45](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/45](#) is also impacted by reclassification into groups [B63B 32/47](#) and [B63B 32/77](#).

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

- 32/47 . . . {Bindings, e.g. wakeboard bindings}

WARNING

Group [B63B 32/47](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/35](#), [B63B 32/45](#) and [B63B 35/00](#).

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

- 32/50 . Boards characterised by their constructional features

WARNING

Group [B63B 32/50](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).

Group [B63B 32/50](#) is also impacted by reclassification into groups [B63B 32/40](#), [B63B 32/57](#) and [B63B 32/59](#).

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

- 32/51 . . Inflatable boards, e.g. drop-stitch inflatable boards

WARNING

Group [B63B 32/51](#) is incomplete pending reclassification of documents from groups [B63B 7/08](#), [B63B 7/082](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#) and [B63B 35/00](#).

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

- 32/53 . . Sectionalised boards, e.g. modular, dismountable or foldable boards

WARNING

Group [B63B 32/53](#) is incomplete pending reclassification of documents from groups [B63B 7/00](#), [B63B 2007/003](#), [B63B 2007/006](#), [B63B 7/02](#), [B63B 7/04](#), [B63B 7/06](#), [B63B 2007/065](#), [B63B 32/00](#) and [B63B 35/00](#).

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

- 32/55 . . Multihull boards, e.g. of catamaran type

WARNING

Group [B63B 32/55](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Groups [B63B 32/00](#), [B63B 35/00](#) and [B63B 32/55](#) should be considered in order to perform a complete search.

- 32/56 . . Boards convertible into vessels or other types of water sports boards, e.g. into sailboats, canoes or water-cycles

WARNING

Group [B63B 32/56](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Groups [B63B 32/00](#), [B63B 35/00](#) and [B63B 32/56](#) should be considered in order to perform a complete search.

- 32/57 . Boards characterised by the material, e.g. laminated materials

WARNING

Group [B63B 32/57](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 32/50](#) and [B63B 35/00](#).

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

- 32/59 . Boards characterised by their manufacturing process, e.g. moulded or 3D printed

WARNING

Group [B63B 32/59](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 32/50](#) and [B63B 35/00](#).

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

- 32/60 . Board appendages, e.g. fins, hydrofoils or centre boards

WARNING

Group [B63B 32/60](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/60](#) is also impacted by reclassification into groups [B63B 32/62](#) and [B63B 32/64](#).

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

- 32/62 . . characterised by the material, e.g. laminated materials; characterised by their manufacturing process

WARNING

Group [B63B 32/62](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#), [B63B 32/60](#) and [B63B 35/00](#).

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

- 32/64 . . Adjustable, e.g. by adding sections, by removing sections or by changing orientation or profile

WARNING

Group [B63B 32/64](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#), [B63B 32/60](#) and [B63B 35/00](#).

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

- 32/66 . . Arrangements for fixation to the board, e.g. fin boxes or foil boxes

WARNING

Group [B63B 32/66](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#), [B63B 35/00](#).

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

- 32/68 . Mast foot attachments, e.g. mast foot rails

WARNING

Group [B63B 32/68](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/68](#) is also impacted by reclassification into group [B63H 8/24](#).

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

- 32/70 . Accessories not specially adapted for a particular type of board, e.g. paddings or buoyancy elements

WARNING

Group [B63B 32/70](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#) and [B63B 35/00](#).

Group [B63B 32/70](#) is also impacted by reclassification into groups [B63B 32/30](#), [B63B 32/77](#), [B63B 32/80](#), [B63B 32/83](#), [B63B 32/87](#), [B63B 34/30](#), [B63B 34/45](#), [B63B 34/565](#), [B63H 8/23](#), [B63H 8/25](#), [B63H 8/50](#), [B63H 8/52](#), [B63H 8/54](#), [B63H 8/56](#), [B63H 8/58](#) and [B63H 8/70](#).

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

- 32/73 . . for tethering users or objects to the board, e.g. leashes

WARNING

Group [B63B 32/73](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#) and [B63B 35/00](#).

Groups [B63B 32/00](#), [B63B 35/00](#) and [B63B 32/73](#) should be considered in order to perform a complete search.

- 32/77 . Arrangements for fixation of accessories to the board, e.g. inserts or rails

WARNING

Group [B63B 32/77](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/45](#), [B63B 32/70](#) and [B63B 35/00](#).

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

- 32/80 . Arrangements specially adapted for stowing or transporting water sports boards

WARNING

Group [B63B 32/80](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#).

Group [B63B 32/80](#) is also impacted by reclassification into groups [B63B 32/83](#), [B63B 32/87](#) and [B63H 8/70](#).

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

- 32/83 . . for stowing, e.g. racks or straps

WARNING

Group [B63B 32/83](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 32/80](#) and [B63B 35/00](#).

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

- 32/87 . . for carrying, e.g. board bags

WARNING

Group [B63B 32/87](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#), [B63B 32/80](#) and [B63B 35/00](#).

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

- 34/00 Vessels specially adapted for water sports or leisure; Body-supporting devices specially adapted for water sports or leisure (water sports boards [B63B 32/00](#); swimming frameworks [A63B 35/00](#); propulsion arrangements actuated by muscle power [B63H 16/00](#))**

NOTE

This group covers floating structures supporting the user's body and moving on the water surface, which are specially adapted for water sports or leisure.

B63B

B63B 34/00
(continued)

WARNING

Group [B63B 34/00](#) is incomplete pending reclassification of documents from group [B63B 35/00](#).

Group [B63B 34/00](#) is also impacted by reclassification into groups [B63B 34/10](#) and [B63B 34/15](#).

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

- 34/05 . {Vessels specially adapted for hunting or fishing}
- 34/10 . Power-driven personal watercraft, e.g. water scooters (water jet propulsion [B63H 11/00](#); jet steering [B63H 25/46](#)); Accessories therefor

WARNING

Group [B63B 34/10](#) is incomplete pending reclassification of documents from groups [B63B 34/00](#) and [B63B 35/00](#).

Group [B63B 34/10](#) is also impacted by reclassification into group [B63B 34/15](#).

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

- 34/15 . . for hydroflight sports

WARNING

Group [B63B 34/15](#) is incomplete pending reclassification of documents from groups [B63B 34/00](#), [B63B 34/10](#), [B63B 35/00](#) and [B64C 39/026](#).

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

- 34/20 . Canoes, kayaks or the like

WARNING

Group [B63B 34/20](#) is impacted by reclassification into groups [B63B 34/21](#), [B63B 34/22](#) and [B63B 34/23](#).

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

- 34/21 . . characterised by constructional features

WARNING

Group [B63B 34/21](#) is incomplete pending reclassification of documents from group [B63B 34/20](#).

Groups [B63B 34/20](#) and [B63B 34/21](#) should be considered in order to perform a complete search.

- 34/22 . . . Inflatable; having inflatable parts

WARNING

Group [B63B 34/22](#) is incomplete pending reclassification of documents from groups [B63B 7/08](#), [B63B 7/082](#), [B63B 7/085](#), [B63B 7/087](#) and [B63B 34/20](#).

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

- 34/23 . . . Sectionalised, e.g. modular, collapsible or foldable

WARNING

Group [B63B 34/23](#) is incomplete pending reclassification of documents from groups [B63B 7/00](#), [B63B 2007/003](#), [B63B 2007/006](#), [B63B 7/02](#), [B63B 7/04](#), [B63B 7/06](#), [B63B 2007/065](#) and [B63B 34/20](#).

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

- 34/26 . Accessories for canoes, kayaks or the like (effecting propulsion by muscle power [B63H 16/00](#); outboard propulsion units [B63H 20/00](#))

WARNING

Group [B63B 34/26](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#) and [B63B 7/087](#).

Groups [B63B 7/085](#) and [B63B 7/087](#) and [B63B 34/26](#) should be considered in order to perform a complete search.

- 34/30 . Rowing boats specially adapted for racing; Accessories therefor (effecting propulsion by rowing [B63H 16/00](#))

WARNING

Group [B63B 34/30](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#).

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

- 34/40 . Body-supporting structures dynamically supported by foils under water

WARNING

Group [B63B 34/40](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#).

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

- 34/45 . . Accessories therefor

WARNING

Group [B63B 34/45](#) is incomplete pending reclassification of documents from groups [B63B 1/24](#) - [B63B 1/30](#), [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#).

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

- 34/50 . . Body-supporting buoyant devices, e.g. bathing boats or water cycles ([swimming aids A63B 31/00](#))

WARNING

Group [B63B 34/50](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).

Group [B63B 34/50](#) is also impacted by reclassification into groups [B63B 34/52](#), [B63B 34/54](#) and [B63B 34/56](#).

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

- 34/52 . . Inflatable or partly inflatable

WARNING

Group [B63B 34/52](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/50](#) and [B63B 35/00](#).

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

- 34/54 . . specially adapted for being towed, e.g. banana boats, water sledges or towed buoys ([arrangements for towing B63B 34/60](#))

WARNING

Group [B63B 34/54](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/50](#) and [B63B 35/00](#).

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

- 34/56 . . for use in a standing position, e.g. water shoes, water walking devices or buoyant skis

WARNING

Group [B63B 34/56](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/50](#) and [B63B 35/00](#).

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

- 34/565 . . Accessories, e.g. sticks for water walking

WARNING

Group [B63B 34/565](#) is incomplete pending reclassification of documents from groups [B63B 7/085](#), [B63B 7/087](#), [B63B 32/00](#), [B63B 32/70](#) and [B63B 35/00](#).

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

- 34/60 . . Arrangements for towing, e.g. for use with water-skis or wakeboards

- 34/63 . . Holding means for the user, e.g. handle bars or harnesses

- 34/67 . . Connection means on the towing watercraft, e.g. pylons, side poles or winches

- 34/70 . . Arrangements on vessels specially adapted for generating waves for surfing, wakeboarding or the like, e.g. ballast tanks

WARNING

Group [B63B 34/70](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#) and [B63B 35/00](#).

Group [B63B 34/70](#) is also impacted by reclassification into groups [A63B 69/0093](#), [B63B 34/75](#) and [E04H 4/0006](#).

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

- 34/75 . . Arrangements of wake plates

WARNING

Group [B63B 34/75](#) is incomplete pending reclassification of documents from groups [B63B 32/00](#), [B63B 32/20](#), [B63B 34/70](#) and [B63B 35/00](#).

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

- 35/00 Vessels or similar floating structures specially adapted for specific purposes and not otherwise provided for**

WARNING

Group [B63B 35/00](#) is impacted by reclassification into groups [A63B 69/0093](#), [B63B 32/00](#) - [B63B 32/87](#), [B63B 34/00](#), [B63B 34/10](#), [B63B 34/15](#), [B63B 34/30](#), [B63B 34/45](#) - [B63B 34/565](#), [B63B 34/70](#), [B63B 34/75](#), [B63H 8/23](#), [B63H 8/24](#), [B63H 8/25](#), [B63H 8/50](#) - [B63H 8/70](#) and [E04H 4/0006](#).

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

- 2035/001 . {for beach loading or unloading, e.g. landing crafts}
 2035/002 . {for inland waters, e.g. for use on canals or rivers}
 35/003 . {for transporting very large loads, e.g. offshore structure modules ([construction methods for artificial islands mounted on piles E02B 17/00](#); for transporting marine vessels [B63B 35/40](#); docks [B63C 1/00](#))}
 2035/004 . {Passenger vessels, e.g. cruise vessels or the like}

- 2035/005 . {Search and rescue [SAR] vessels}
- 2035/006 . {Unmanned surface vessels, e.g. remotely controlled}
- 2035/007 . . {autonomously operating}
- 2035/008 . . {remotely controlled}
- 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**
- Subject matter concerning vessels, or floating structures adapted at the same time for another 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 75/00](#))}
- 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](#))

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|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 35/665 | . . {Floating propeller units, i.e. a motor and propeller unit mounted in a floating box (outboard propulsion units B63H 20/00)} | 43/02 | . reducing risk of capsizing or sinking (by means of watertight doors in bulkheads B63B 43/24) |
| 35/68 | . . for towing | 43/04 | . . by improving stability |
| 35/70 | . . for pushing | 2043/042 | . . . {using outboard booms supporting ballast, other than solid ballast or persons, e.g. carrying water-filled bags} |
| 39/00 | Equipment to decrease pitch, roll, or like unwanted vessel movements; Apparatus for indicating vessel attitude {(for amphibious vehicles B60F 3/0038)} | 43/045 | . . . {by decreasing the free surface effect of water entered in enclosed decks} |
| 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)} | 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} |
| 39/02 | . to decrease vessel movements by displacement of masses | 43/06 | . . . using ballast tanks (conduits for emptying or ballasting B63B 13/00) |
| 39/03 | . . by transferring liquids | 43/08 | . . . by transfer of solid ballast |
| 39/04 | . to decrease vessel movements by using gyroscopes directly | 43/085 | {the stabilising effect being provided by the weight of a person placed on an outrigger seat swingable around a vertical axis} |
| 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 }) | 43/10 | . . by improving buoyancy {(amphibious cycles B60F 3/0038)} |
| 39/061 | . . {by using trimflaps, i.e. flaps mounted on the rear of a boat, e.g. speed boat} | 43/12 | . . . using inboard air containers {or inboard floating members} |
| 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)} | 2043/123 | {using floaters mounted to the tip of a mast, e.g. inflatable} |
| 2039/063 | . . {the foils comprising flexible portions} | 2043/126 | {pneumatic, e.g. inflatable on demand} |
| 2039/065 | . . {the foils being pivotal about an axis substantially parallel to the longitudinal axis of the vessel} | 43/14 | . . . using outboard floating members |
| 2039/066 | . . {the lift generating devices using the Magnus effect} | 2043/145 | {pneumatic, e.g. inflatable on demand} |
| 2039/067 | . . {effecting motion dampening by means of fixed or movable resistance bodies, e.g. by bilge keels} | 43/16 | . . . Temporary equipment for stopping leaks, e.g. collision mats |
| 2039/068 | . . {the foils having a variable cross section, e.g. a variable camber} | 43/18 | . preventing collision {or grounding}; reducing collision damage {(reducing pollution by collision B63B 25/082)} |
| 39/08 | . to decrease vessel movements by using auxiliary jets or propellers (for steering or dynamic anchoring B63H 25/00) | 2043/185 | . . {using shock absorbing telescoping buffers} |
| 39/10 | . to decrease vessel movements by damping the waves, e.g. by pouring oil on water | 43/20 | . . Feelers |
| 2039/105 | . . {by absorption of wave energy, e.g. by structured, wave energy absorbing hull surfaces} | 43/24 | . Arrangements of watertight doors in bulkheads |
| 39/12 | . for indicating draught or load | 43/26 | . . of sliding type |
| 39/14 | . for indicating inclination or duration of roll | 43/28 | . . . with mechanical drive |
| 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 32/50; stabilising foils B63B 39/06)} | 43/30 | . . . with fluid drive |
| 2041/003 | . {Collapsible keels, or the like, e.g. telescopically; Longitudinally split hinged keels} | 43/32 | . . of non-sliding type |
| 2041/006 | . . {Telescopically collapsible keels} | 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) |
| 43/00 | Improving safety of vessels, e.g. damage control, not otherwise provided for (fire-fighting in ships A62C 3/10) | 2045/005 | . {comprising particular electric circuits} |
| 2043/003 | . {Arrangements of emergency exits, e.g. for escape from engine rooms} | 45/02 | . the devices being intended to illuminate the way ahead or other areas of environments |
| 2043/006 | . {Methods or installations specially adapted for detecting ingress of ambient water, e.g. leak detectors} | 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 |

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|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 57/00 | Tank {or cargo hold} cleaning specially adapted for vessels (tank cleaning in general B08B 9/08) | 73/10 | <ul style="list-style-type: none"> Building or assembling vessels from prefabricated hull blocks, i.e. complete hull cross-sections |
| 2057/005 | <ul style="list-style-type: none"> {of ballast tanks, e.g. from deposits, biological organisms; Ship-borne installations therefor} | | WARNING |
| 57/02 | <ul style="list-style-type: none"> by washing | | Group B63B 73/10 is incomplete pending reclassification of documents from group B63B 73/00 . |
| 57/04 | <ul style="list-style-type: none"> by ventilating | | Groups B63B 73/00 and B63B 73/10 should be considered in order to perform a complete search. |
| 59/00 | Hull protection specially adapted for vessels; Cleaning devices specially adapted for vessels {inhibiting corrosion of metals by anodic or cathodic protection C23F 13/00} | | |
| 59/02 | <ul style="list-style-type: none"> 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) | 73/20 | <ul style="list-style-type: none"> Building or assembling prefabricated vessel modules or parts other than hull blocks, e.g. engine rooms, rudders, propellers, superstructures, berths, holds or tanks |
| 2059/025 | <ul style="list-style-type: none"> . . {pneumatic, e.g. inflatable} | | WARNING |
| 59/04 | <ul style="list-style-type: none"> Preventing hull fouling (anti-fouling paints C09D 5/16) | | Group B63B 73/20 is incomplete pending reclassification of documents from group B63B 73/00 . |
| 59/045 | <ul style="list-style-type: none"> . . {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)} | | Groups B63B 73/00 and B63B 73/20 should be considered in order to perform a complete search. |
| 59/06 | <ul style="list-style-type: none"> Cleaning devices for hulls | | |
| 2059/065 | <ul style="list-style-type: none"> . . {mounted on land-borne vehicles, e.g. travelling on the bottom of a dry-dock} | 73/30 | <ul style="list-style-type: none"> Moving or transporting modules or hull blocks to assembly sites, e.g. by rolling, lifting or floating |
| 59/08 | <ul style="list-style-type: none"> . . of underwater surfaces while afloat (B63B 59/10 takes precedence) | | WARNING |
| 2059/082 | <ul style="list-style-type: none"> . . . {the devices being supported on arms or rods} | | Group B63B 73/30 is incomplete pending reclassification of documents from group B63B 73/00 . |
| 2059/085 | <ul style="list-style-type: none"> . . . {the devices being adapted for operation by divers} | | Groups B63B 73/00 and B63B 73/30 should be considered in order to perform a complete search. |
| 2059/087 | <ul style="list-style-type: none"> . . . {the devices being adapted for being pulled across, or along the underwater surface to be cleaned, e.g. by ropes} | | |
| 59/10 | <ul style="list-style-type: none"> . . using trolleys or the like driven along the surface | 73/40 | <ul style="list-style-type: none"> characterised by joining methods |
| 69/00 | Equipment for shipping not otherwise provided for | | WARNING |
| 71/00 | Designing vessels; Predicting their performance | | Group B63B 73/40 is incomplete pending reclassification of documents from groups B63B 73/00 and B63B 2221/00 . |
| | WARNING | | Groups B63B 73/00 , B63B 2221/00 , and B63B 73/40 should be considered in order to perform a complete search. |
| | Group B63B 71/00 is incomplete pending reclassification of documents from group B63B 79/00 . | | |
| | Groups B63B 79/00 and B63B 71/00 should be considered in order to perform a complete search. | | |
| 71/10 | <ul style="list-style-type: none"> using computer simulation, e.g. finite element method [FEM] or computational fluid dynamics [CFD] | 73/43 | <ul style="list-style-type: none"> . . Welding, e.g. laser welding |
| 71/20 | <ul style="list-style-type: none"> using towing tanks or model basins for designing | | WARNING |
| 73/00 | Building or assembling vessels or marine structures, e.g. hulls or offshore platforms | | Group B63B 73/43 is incomplete pending reclassification of documents from groups B63B 73/00 , B63B 2221/02 , and B63B 2221/04 . |
| | WARNING | | All groups listed in this Warning should be considered in order to perform a complete search. |
| | Group B63B 73/00 is impacted by reclassification into groups B63B 73/10 , B63B 73/20 , B63B 73/30 , B63B 73/40 , B63B 73/43 , B63B 73/46 , B63B 73/50 , B63B 73/60 , B63B 73/70 , B63B 73/72 , and B63B 73/74 . | | |
| | All groups listed in this Warning should be considered in order to perform a complete search. | | |
| | | 73/46 | <ul style="list-style-type: none"> . . Gluing; Taping; Cold-bonding |
| | | | WARNING |
| | | | Group B63B 73/46 is incomplete pending reclassification of documents from groups B63B 73/00 and B63B 2221/10 . |
| | | | Groups B63B 73/00 , B63B 2221/10 , and B63B 73/46 should be considered in order to perform a complete search. |

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| 73/48 | <ul style="list-style-type: none"> . . {Riveting} <p>WARNING</p> <p>Group B63B 73/48 is incomplete pending reclassification of documents from group B63B 2221/06.</p> <p>Groups B63B 2221/06 and B63B 73/48 should be considered in order to perform a complete search.</p> | 75/00 | <p>Building or assembling floating offshore structures, e.g. semi-submersible platforms, SPAR platforms or wind turbine platforms</p> <p>WARNING</p> <p>Group B63B 75/00 is impacted by reclassification into groups B63B 77/00 and B63B 77/10.</p> <p>Groups B63B 75/00, B63B 77/00, and B63B 77/10 should be considered in order to perform a complete search.</p> |
| 73/49 | <ul style="list-style-type: none"> . . {by means of threaded members, e.g. screws, threaded bolts or nuts} <p>WARNING</p> <p>Group B63B 73/49 is incomplete pending reclassification of documents from group B63B 2221/08.</p> <p>Groups B63B 2221/08 and B63B 73/49 should be considered in order to perform a complete search.</p> | 77/00 | <p>Transporting or installing offshore structures on site using buoyancy forces, e.g. using semi-submersible barges, ballasting the structure or transporting of oil-and-gas platforms</p> <p>WARNING</p> <p>Groups B63B 77/00 and B63B 77/10 are incomplete pending reclassification of documents from group B63B 75/00.</p> <p>Groups B63B 75/00, B63B 77/00 and B63B 77/10 should be considered in order to perform a complete search.</p> |
| 73/50 | <ul style="list-style-type: none"> . characterised by forming methods, e.g. manufacturing of curved blocks <p>WARNING</p> <p>Group B63B 73/50 is incomplete pending reclassification of documents from group B63B 73/00.</p> <p>Groups B63B 73/00 and B63B 73/50 should be considered in order to perform a complete search.</p> | 77/10 | <ul style="list-style-type: none"> . specially adapted for electric power plants, e.g. wind turbines or tidal turbine generators |
| 73/60 | <ul style="list-style-type: none"> . characterised by the use of specific tools or equipment; characterised by automation, e.g. use of robots <p>WARNING</p> <p>Group B63B 73/60 is incomplete pending reclassification of documents from group B63B 73/00.</p> <p>Groups B63B 73/00 and B63B 73/60 should be considered in order to perform a complete search.</p> | 79/00 | <p>Monitoring properties or operating parameters of vessels in operation</p> <p>WARNING</p> <p>Group B63B 79/00 is impacted by reclassification into groups B63B 71/00, B63B 79/10, B63B 79/15, B63B 79/20, B63B 79/30, and B63B 79/40.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p> |
| 73/70 | <ul style="list-style-type: none"> . characterised by using moulds; Moulds or plugs therefor <p>WARNING</p> <p>Groups B63B 73/70 - B63B 73/74 are incomplete pending reclassification of documents from group B63B 73/00.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p> | 79/10 | <ul style="list-style-type: none"> . using sensors, e.g. pressure sensors, strain gauges or accelerometers <p>WARNING</p> <p>Groups B63B 79/10 and B63B 79/15 are incomplete pending reclassification of documents from group B63B 79/00.</p> <p>Groups B63B 79/00, B63B 79/10, and B63B 79/15 should be considered in order to perform a complete search.</p> |
| 73/72 | <ul style="list-style-type: none"> . . characterised by plastic moulding, e.g. injection moulding, extrusion moulding or blow moulding | 79/15 | <ul style="list-style-type: none"> . . for monitoring environmental variables, e.g. wave height or weather data |
| 73/74 | <ul style="list-style-type: none"> . . characterised by lamination of materials | 79/20 | <ul style="list-style-type: none"> . using models or simulation, e.g. statistical models or stochastic models <p>WARNING</p> <p>Group B63B 79/20 is incomplete pending reclassification of documents from group B63B 79/00.</p> <p>Groups B63B 79/00 and B63B 79/20 should be considered in order to perform a complete search.</p> |

- 79/30 . for diagnosing, testing or predicting the integrity or performance of vessels

WARNING

Group [B63B 79/30](#) is incomplete pending reclassification of documents from group [B63B 79/00](#).

Groups [B63B 79/00](#) and [B63B 79/30](#) should be considered in order to perform a complete search.

- 79/40 . for controlling the operation of vessels, e.g. monitoring their speed, routing or maintenance schedules

WARNING

Group [B63B 79/40](#) is incomplete pending reclassification of documents from group [B63B 79/00](#).

Groups [B63B 79/00](#) and [B63B 79/40](#) should be considered in order to perform a complete search.

81/00 Repairing or maintaining vessels**83/00 Rebuilding or retrofitting vessels, e.g. retrofitting ballast water treatment systems****WARNING**

Group [B63B 83/00](#) is impacted by reclassification into groups [B63B 83/10](#), [B63B 83/20](#), [B63B 83/30](#), and [B63B 83/40](#).

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

- 83/10 . for increasing cargo capacity

WARNING

Group [B63B 83/10](#) is incomplete pending reclassification of documents from group [B63B 83/00](#).

Groups [B63B 83/00](#) and [B63B 83/10](#) should be considered in order to perform a complete search.

- 83/20 . for conversion to a different use, e.g. for converting tankers into a FPSO-FLNG units

WARNING

Group [B63B 83/20](#) is incomplete pending reclassification of documents from group [B63B 83/00](#).

Groups [B63B 83/00](#) and [B63B 83/20](#) should be considered in order to perform a complete search.

- 83/30 . for improving energy efficiency, e.g. by improving hydrodynamics or by upgrading the power plant

WARNING

Group [B63B 83/30](#) is incomplete pending reclassification of documents from group [B63B 83/00](#).

Groups [B63B 83/00](#) and [B63B 83/30](#) should be considered in order to perform a complete search.

- 83/40 . for reducing risks of pollution or contamination; for improving safety

WARNING

Group [B63B 83/40](#) is incomplete pending reclassification of documents from group [B63B 83/00](#).

Groups [B63B 83/00](#) and [B63B 83/40](#) should be considered in order to perform a complete search.

85/00 Dismantling or scrapping vessels**Indexing schemes associated with subclasses [B63B](#), [B63C](#), [B63G](#), [B63H](#) and [B63J](#), relating to aspects of particular or unusual use, materials, design, methods or means.****2201/00 Signalling devices**

- 2201/02 . Audible
- 2201/04 . Illuminating
- 2201/06 . . by combustion of fluid
- 2201/08 . . Electric light
- 2201/10 . Smoke producing
- 2201/12 . Reflecting means
- 2201/14 . Balloon
- 2201/16 . Radio
- 2201/18 . Sonar
- 2201/20 . Antenna or mast
- 2201/22 . Spread-open chemicals or other products
- 2201/24 . by means of bubbles
- 2201/26 . signalling anomalies, e.g. rupture of connection

2203/00 Communication means

- 2203/02 . telephone

2205/00 Tethers

- 2205/02 . Tether payout means
- 2205/04 . . comprising means for controlling payout
- 2205/06 . . Reels for tethers
- 2205/08 . with means for recovering submerged objects

2207/00 Buoyancy or ballast means

- 2207/02 . Variable ballast or buoyancy
- 2207/04 . Pressure equalising or adjusting

2209/00 Energy supply or activating means

- 2209/02 . water activated switches
- 2209/04 . water activated batteries
- 2209/06 . fluid produced by reaction with water
- 2209/08 . impact with water-surface or -bottom
- 2209/10 . pyrotechnic means
- 2209/12 . with time-delay
- 2209/14 . energy generated by movement of the water
- 2209/16 . nuclear energy
- 2209/18 . solar energy
- 2209/20 . wind energy

2211/00 Applications

- 2211/02 . Oceanography
- 2211/04 . Diving
- 2211/06 . Operation in ice-infested waters

2213/00 Navigational aids and use thereof, not otherwise provided for in this class

- 2213/02 . using satellite radio beacon positioning systems, e.g. the Global Positioning System GPS

| | | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2221/00 | Methods and means for joining members or elements | |
| | WARNING | |
| | Group B63B 2221/00 is impacted by reclassification into group B63B 73/40 . | |
| | Groups B63B 2221/00 and B63B 73/40 should be considered in order to perform a complete search. | |
| 2221/02 | . by welding | 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 |
| | WARNING | |
| | Group B63B 2221/02 is impacted by reclassification into group B63B 73/43 . | 2221/24 . . by means that allow one or more degrees of translational freedom, e.g. telescopic joints, not otherwise provided for in this class |
| | Groups B63B 2221/02 and B63B 73/43 should be considered in order to perform a complete search. | |
| 2221/04 | . by soldering | 2231/00 Material used for some parts or elements, or for particular purposes |
| | WARNING | 2231/02 . Metallic materials |
| | Group B63B 2221/04 is impacted by reclassification into group B63B 73/43 . | 2231/04 . . Irons, steels or ferrous alloys |
| | Groups B63B 2221/04 and B63B 73/43 should be considered in order to perform a complete search. | 2231/06 . . . Stainless steels |
| 2221/06 | . by riveting | 2231/10 . . Aluminium or aluminium alloys |
| | WARNING | 2231/12 . . Copper or copper alloys |
| | Group B63B 2221/06 is impacted by reclassification into group B63B 73/48 . | 2231/14 . . . Bronze, e.g. nickel-aluminium bronze |
| | Groups B63B 2221/06 and B63B 73/48 should be considered in order to perform a complete search. | 2231/16 . . . Brass |
| 2221/08 | . by means of threaded members, e.g. screws, threaded bolts or nuts | 2231/18 . . Titanium or titanium alloys |
| | WARNING | 2231/20 . . Magnesium or magnesium alloys |
| | Group B63B 2221/08 is impacted by reclassification into group B63B 73/49 . | 2231/28 . . Shape-memory alloys |
| | Groups B63B 2221/08 and B63B 73/49 should be considered in order to perform a complete search. | 2231/30 . Magnetic materials |
| 2221/10 | . using adhesives | 2231/32 . Vegetable materials or material comprising predominately vegetable material |
| | WARNING | 2231/34 . . Wood or wood products |
| | Group B63B 2221/10 is impacted by reclassification into group B63B 73/46 . | 2231/40 . Synthetic materials |
| | Groups B63B 2221/10 and B63B 73/46 should be considered in order to perform a complete search. | 2231/42 . . Elastomeric materials |
| 2221/12 | . by means of hook and loop fasteners | 2231/44 . . . Rubber |
| 2221/14 | . by means of zippers or the like | 2231/46 Natural rubber or caoutchouc |
| 2221/16 | . by means of ties, ribbons or the like | 2231/48 Synthetic rubber, e.g. silicone rubber, Neoprene, polyurethane |
| 2221/18 | . by sewing, stitching, stapling or the like methods | 2231/50 . . Foamed synthetic materials |
| 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 | 2231/52 . . Fibre reinforced plastics materials |
| | | 2231/60 . Concretes |
| | | 2231/62 . . Lightweight concretes |
| | | 2231/64 . . Reinforced or armoured concretes |
| | | 2231/66 . . . Fibre reinforced concretes, e.g. synthetic fibre reinforced concretes |
| | | 2231/68 . . Prestressed concretes |
| | | 2231/70 . Glass |
| | | 2231/72 . . Hollow glass microspheres |
| | | 2231/74 . Bituminous materials or the like |
| | | 2231/76 . Ice |
| | | 2241/00 Design characteristics |
| | | 2241/02 . Design characterised by particular shapes |
| | | 2241/04 . . by particular cross sections |
| | | 2241/06 . . . circular |
| | | 2241/08 . . . polygonal |
| | | 2241/10 . . by particular three dimensional shapes |
| | | 2241/12 . . . annular or toroidal |
| | | 2241/14 . . . spherical |
| | | 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 January 1, 2020.

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 2099/005](#).

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 2099/005](#).

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**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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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

2708/00 Winches; Capstans**(Frozen)****WARNING**

Groups [B63B 2708/00](#) - [B63B 2708/02](#) 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 2099/005](#).

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

| | | | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2708/02 (Frozen) | • Winches and capstans driven by electric or electro-hydraulic means | 2712/02 (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 |
| 2709/00 (Frozen) | Tables, chairs and other furniture peculiar to vessels WARNING Group B63B 2709/00 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. | 2713/00 (Frozen) | Stowing of the boats, i.e. arrangement, chocks, lashing down and transport of the boats on deck WARNING Group B63B 2713/00 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. |
| 2710/00 (Frozen) | Miscellaneous equipment for ships, e.g. collision mats, rat guards WARNING Group B63B 2710/00 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. | 2714/00 (Frozen) | Construction of turning davits, davit foundations and davit drives WARNING Groups B63B 2714/00 - B63B 2714/02 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. |
| 2711/00 (Frozen) | Equipment for watching and measuring the oscillations, the resistance and the movements of ships; Model towing tanks WARNING Group B63B 2711/00 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. | 2714/02 (Frozen) | • Construction of swinging davits and other davits and of davit foundation and drives |
| 2712/00 (Frozen) | 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 WARNING Group B63B 2712/00 - B63B 2712/02 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. | 2715/00 (Frozen) | Hydraulic and pneumatic steering gear 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. |
| 2712/00 (Frozen) | 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 WARNING Group B63B 2712/00 - B63B 2712/02 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 2099/005 . All groups listed in this Warning should be considered in order to perform a complete search. | 2716/00 (Frozen) | Steam-powered steering gear 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 2099/005 . 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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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, marking of seaways, arrangements of compasses**
(Frozen)

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 2099/005](#).

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

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

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 2099/005](#).

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

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

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 2099/005](#).

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

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

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 2099/005](#).

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, derelicts, or the like
(Frozen)

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 2099/005](#).

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 2099/005](#).

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

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

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 2099/005](#).

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 aground; Depth sounders
(Frozen)

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 2099/005](#).

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 means
(Frozen)

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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
(Frozen) balloons or frozen blocks

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

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

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 2099/005](#).

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 2099/005](#).

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-
(Frozen) submarine nets and devices for the protection of harbours and means for the destruction thereof

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 2099/005](#).

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
(Frozen) torpedo or sea mine explosions

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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

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

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

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 2099/005](#).

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 2099/005](#).

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

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

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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**
(Frozen) **water jet**

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 2099/005](#).

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**
(Frozen) **steam jets or gas jets**

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 2099/005](#).

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**
(Frozen) **explosions**

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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 2099/005](#).

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