

SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B63 SHIPS OR OTHER WATERBORNE VESSELS; RELATED EQUIPMENT

B63C LAUNCHING, HAULING-OUT, OR DRY-DOCKING OF VESSELS; LIFE-SAVING IN WATER; EQUIPMENT FOR DWELLING OR WORKING UNDER WATER; MEANS FOR SALVAGING OR SEARCHING FOR UNDERWATER OBJECTS (floating nets, floating slipways, or the like for recovering aircraft from the water B63B 35/52)

Subclass index

LANDING, LAUNCHING

Dry-docking; storing on land; launching or hauling-out.....	1/00, 15/00, 3/00
Transporting overland.....	13/00
Slipway and dry-dock equipment.....	5/00
SALVAGE, SEARCHING UNDER WATER; LIFE-SAVING.....	7/00, 11/00, 9/00
WORKING UNDER WATER.....	11/00

1/00	Dry-docking of vessels or flying-boats (storing of vessels on land otherwise than by dry-docking B63C 15/00; mooring of vessels B63B 21/00; hydraulic-engineering aspects E02B)	7/12	• • by bringing air or floating bodies or material into vessels or objects
1/02	• Floating dry-docks (ship transporters with adjustable draught B63B 35/42)	7/14	• using freezing for closing holes or for strengthening the vessel or the like
1/04	• • self-docking	7/16	• Apparatus engaging vessels or objects
1/06	• • Arrangements of pumping or filling equipment for raising or lowering docks	7/18	• • using nets
1/08	• Dry docks (locks E02C 1/00) [2]	7/20	• • using grabs
1/10	• Centring devices	7/22	• • using electromagnets or suction devices
1/12	• Docks adapted for special vessels, e.g. submarines	7/24	• Apparatus for passing chains or the like under vessels or objects
3/00	Launching or hauling-out, e.g. by landborne slipways; Slipways (ship-borne guides for handling lifeboats or the like B63B 23/30; cranes, winches, or the like B66; ship-lifting for adapting to different water levels E02C)	7/26	• Means for indicating the location of underwater objects, e.g. sunken vessels (means for searching for underwater objects B63C 11/48; buoys in general B63B 22/00)
3/02	• by longitudinal movement of vessel	7/28	• Refloating stranded vessels
3/04	• by sideways movement of vessel	7/30	• Floatable safes (safes in general E05G)
3/06	• by vertical movement of vessel, e.g. by crane	9/00	Life-saving in water (life-saving in general A62B; arrangement or adaptation of signalling or lighting devices for ships, other waterborne vessels or for equipment for shipping B63B 45/00; rescue equipment specially adapted for submarine personnel B63G 8/40)
3/08	• Tracks on slipways	9/01	• Air-sea rescue devices, i.e. equipment carried by, and capable of being dropped from, an aircraft (inflatable vessels B63B 7/00; inflatable buoys B63B 22/22) [5]
3/10	• using releasing devices	9/02	• Lifeboats, life-rafts or the like, specially adapted for life-saving (B63C 9/01 takes precedence; floatable furniture B63C 9/30; boats in general B63B; inflatable vessels B63B 7/00; equipment for handling lifeboats or the like B63B 23/00; rafts B63B 35/58) [4, 5]
3/12	• using cradles (vehicles in general for transporting boats or the like B60P)	9/03	• • enclosed [5]
3/14	• using braking means	9/04	• • Life-rafts
5/00	Equipment usable both on slipways and in dry docks	9/05	• Shark screens, e.g. buoyant means combined with means to surround or otherwise enclose the user (B63C 9/06 takes precedence) [5]
5/02	• Stagings; Scaffolding; Shores or struts	9/06	• Floatable closed containers with accommodation for one or more persons inside (B63C 9/01 takes precedence) [5]
5/04	• • Bilge or keel blocks		
7/00	Salvaging of disabled, stranded, or sunken vessels; Salvaging of vessel parts or furnishings, e.g. of safes; Salvaging of other underwater objects (means for searching for underwater objects B63C 11/48)		
7/02	• in which the lifting is done by hauling		
7/04	• • using pontoons or the like		
7/06	• in which lifting action is generated in, or adjacent to, vessels or objects		
7/08	• • using rigid floats		
7/10	• • using inflatable floats external to vessels or objects		

B63C

- 9/08 • Life-buoys, e.g. rings; Life-belts, jackets, suits, or the like (B63C 9/01 takes precedence; equipment for swimming A63B, e.g. swimming aids A63B 31/00) [5]
- 9/087 • • Body suits, i.e. substantially covering the user's body (diving suits B63C 11/04, B63C 11/10) [5]
- 9/093 • • • using solid buoyant material [5]
- 9/105 • • • having gas-filled compartments (connection of valves to inflatable elastic bodies B60C 29/00) [5]
- 9/11 • • covering the torso, e.g. harnesses [5]
- 9/115 • • • using solid buoyant material [5]
- 9/125 • • • having gas-filled compartments (connection of valves to inflatable elastic bodies B60C 29/00) [5]
- 9/13 • • attachable to a body member, e.g. arm, neck, head or waist [5]
- 9/135 • • • using solid buoyant material [5]
- 9/15 • • • having gas-filled compartments (connection of valves to inflatable elastic bodies B60C 29/00) [5]
- 9/18 • • Inflatable equipment characterised by the gas-generating device [5]
- 9/19 • • • Arrangements for puncturing gas-generating cartridges [5]
- 9/20 • • characterised by signalling means, e.g. lights (arrangement or adaptation of signalling or lighting devices for ships or other waterborne vessels B63B 45/00)
- 9/22 • Devices for holding or launching life-buoys, inflatable life-rafts, or other floatable life-saving equipment (equipment for handling life-boats or the like B63B 23/00)
- 9/23 • • Containers for inflatable life-saving equipment [5]
- 9/26 • Cast or life lines; Attachments thereto; Containers therefor (adaptations of aerial cableways to shipboard use B63B 27/18; guns for line-throwing F41F; line-carrying missiles F42B 12/68)
- 9/28 • Adaptations of vessel parts or furnishings to life-saving purposes
- 9/30 • • Floatable furniture
- 9/32 • Equipment adapted to use on ice
- 11/00 Equipment for dwelling or working under water; Means for searching for underwater objects** (composition of chemical substances for use in breathing apparatus A62D 9/00; swimming aids or equipment A63B 31/00-A63B 35/00; submarines B63G 8/00)
- 11/02 • Divers' equipment
- 11/04 • • Resilient suits
- 11/06 • • • with rigid helmet
- 11/08 • • • Control of air pressure within suit, e.g. for controlling buoyancy
- 11/10 • • Rigid suits
- 11/12 • • Diving masks (swimming helmets, swimming goggles A63B 33/00)
- 11/14 • • • with forced air supply
- 11/16 • • • with air supply by suction from diver, e.g. schnorkels
- 11/18 • • Air supply (for diving masks B63C 11/14, B63C 11/16; respiratory apparatus in general A62B)
- 11/20 • • • from water surface
- 11/22 • • • carried by diver
- 11/24 • • • • in closed circulation
- 11/26 • • Communication means (electric communication in general H04)
- 11/28 • • Heating, e.g. of divers' suits, of breathing air
- 11/30 • • Ballast
- 11/32 • • Decompression arrangements; Exercise equipment
- 11/34 • Diving chambers with mechanical link, e.g. cable, to a base (manipulators B25J; diving chambers without mechanical link to a base B63G 8/00; caissons adapted to laying foundations E02D 23/00-E02D 27/00)
- 11/36 • • of closed type
- 11/38 • • • with entrance above water surface
- 11/40 • • • adapted to specific work
- 11/42 • • • with independent propulsion or directional control
- 11/44 • • of open type, e.g. diving-bells
- 11/46 • Divers' sleds or like craft, i.e. craft on which man in diving-suit rides
- 11/48 • Means for searching for underwater objects (means for indicating the location of sunken objects B63C 7/26; locating by use of the reflection or reradiation of radio or other waves G01S)
- 11/49 • • Floating structures with underwater viewing devices, e.g. with windows [5]
- 11/50 • • using grapnels
- 11/52 • Tools specially adapted for working underwater, not otherwise provided for [3]
- 13/00 Equipment forming part of, or attachable to, vessels, facilitating transport over land** (harnesses attachable to vessels for personal carrying A45F; amphibious craft, land vehicles convertible for use on water B60F; land vehicles for carrying boats B60P)
- 15/00 Storing of vessels on land otherwise than by dry-docking**