SECTION B — PERFORMING OPERATIONS; TRANSPORTING

B63 SHIPS OR OTHER WATERBORNE VESSELS; RELATED EQUIPMENT

B63G OFFENSIVE OR DEFENSIVE ARRANGEMENTS ON VESSELS; MINE-LAYING; MINE-SWEEPING; SUBMARINES; AIRCRAFT CARRIERS (means of attack or defence in general, e.g. turrets, F41H)

Subclass index

OFFENSIVE OR DEFENSIVE INSTALLATIONS OR ARRANGEMENTS
Guns, missile launchers....1/00
Launching torpedoes; defence against torpedoes....5/00, 9/00
Defence or attack against sub- marines, by depth charges or otherwise....6/00, 9/00
Mines: laying; sweeping; other defence....6/00, 7/00, 9/00
Other defensive or offensive arrangements....13/00
Ammunition handling or storing....3/00
SUBMARINES; AIRCRAFT CARRIERS....8/00, 11/00

1/00 **Arrangements of guns or missile launchers; Vessels characterised thereby** (submarines B63G 8/00; guns, missile launchers F41)

3/00 **Arrangements of ammunition stores or handlers** (specially for submarines B63G 8/00; feeding ammunition missiles or projectiles to guns in general F41A 9/00)**; Vessels characterised thereby** (general cargo aspects B63B)

3/02 • for torpedoes

3/04 • for missiles

3/06 • for mines or depth charges

5/00 **Vessels characterised by adaptation to torpedo-launching** (submarines B63G 8/00; torpedo-launching per se F41F 3/00)

6/00 **Laying of mines or depth charges; Vessels characterised thereby** (arrangements on submarines for mine-laying B63G 8/33) **[2]**

7/00 **Mine-sweeping; Vessels characterised thereby**

7/02 • Mine-sweeping means; Means for destroying mines

7/04 • • by means of cables

7/06 • • of electromagnetic type

7/08 • • of acoustic type

8/00 **Underwater vessels, e.g. submarines** (submarine hulls B63B 3/13; diving chambers with mechanical link, e.g. cable, to a base B63C 11/34; divers' sleds B63C 11/46; torpedoes F42B 19/00)

8/04 • Superstructure

8/06 • • Conning-towers

8/08 • Propulsion (nuclear propulsion B63H 21/18; submerged exhausting apparatus F01N 13/12; propulsion power plants or units per se, see the relevant classes)

8/10 • • using steam plant

8/12 • • using internal-combustion engines

8/14 • Control of attitude or depth (of torpedoes F42B 19/00)

8/16 • • by direct use of propellers or jets

8/18 • • by hydroplanes

8/20 • • Steering equipment (B63G 8/16, B63G 8/18 take precedence; steering of vessels in general B63H 25/00) **[2]**

8/22 • • Adjustment of buoyancy by water ballasting; Emptying equipment for ballast tanks (stabilising vessels using ballast tanks B63B 43/06)

8/24 • • Automatic depth adjustment; Safety equipment for increasing buoyancy, e.g. detachable ballast, floating bodies

8/26 • • Trimming equipment

8/28 • Arrangement of offensive or defensive equipment

8/30 • • of artillery or missile-launching means

8/32 • • of torpedo-launching means (torpedo-launching means per se F41F 3/00); of torpedo stores or handlers **[2]**

8/33 • • of mine-laying means (mine-laying vessels other than submarines B63G 6/00) **[2]**

8/34 • • Camouflage (for other vessels B63G 13/02; in general F41H 3/00)

8/36 • Adaptations of ventilation, cooling, heating, or air-conditioning (reconditioning air in sealed chambers A62B 11/00; for vessels in general B63J 2/00; air-conditioning in general F24F)

8/38 • Arrangement of visual or electronic watch equipment, e.g. of periscopes, of radar

8/39 • Arrangements of sonic watch equipment, e.g. low-frequency, sonar

8/40 • Rescue equipment for personnel (life-saving in water, not specially adapted for submarine personnel B63C)

8/41 • • Capsules, chambers, water-tight boats, or the like, detachable from the submarine **[2]**

8/42 • Towed underwater vessels **[2]**

9/00 **Other offensive or defensive arrangements on vessels against submarines, torpedoes, or mines**

9/02 • Means for protecting vessels against torpedo attack (armoured hulls B63B 3/10)

9/04 • • Nets or the like (net barriers for harbour defence F41H 11/00)

9/06 • for degaussing vessels (demagnetising in general H01F 13/00)

11/00 Aircraft carriers, i.e. warships equipped with a flight deck on which airplanes can be launched and landed and with a hangar deck for servicing airplanes (other vessels or floating structures for aircraft B63B 35/50; aircraft-carrier-deck installations B64F 1/00)

13/00 Other offensive or defensive arrangements on vessels; Vessels characterised thereby

13/02 • Camouflage (for submarines B63G 8/34; in general F41H 3/00) **[2]**