

CPC**COOPERATIVE PATENT CLASSIFICATION****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](#))

NOTE

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

Guidance heading:**B63G 1/00**

Arrangements of guns or missile launchers; Vessels characterised thereby (submarines [B63G 8/00](#); guns, missile launchers [F41](#))

B63G 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](#))

B63G 3/02

- . for torpedoes

B63G 3/04

- . for missiles

B63G 3/06

- . for mines or depth charges

B63G 5/00

Vessels characterised by adaptation to torpedo launching (submarines [B63G 8/00](#); torpedo launching per se [F41F](#))

B63G 6/00

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

B63G 7/00

Mine-sweeping; Vessels characterised thereby

B63G 7/02

- . Mine-sweeping means, Means for destroying mines

B63G 7/04

- . . by means of cables

B63G 7/06

- . . of electromagnetic type

B63G 7/08

- . . of acoustic type

B63G 8/00

Underwater vessels, e.g. submarines; { Equipment specially adapted therefor } (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](#))

B63G 8/001

- . { Underwater vessels adapted for special purposes, e.g. unmanned, underwater vessels; Equipment specially adapted therefor, e.g. docking stations (self-propelled or

direction controlled diving chambers with mechanical link to a base [B63C 11/42](#) }

WARNING

[B63G 8/001](#) is not complete pending a reclassification; see also group [B63C 11/42](#)

- [B63G 8/04](#) . Superstructure
- [B63G 8/06](#) . . Conning-towers
- [B63G 8/08](#) . Propulsion ({ [schnorkels B63G 8/36](#); [marine propulsion or steering in general B63H](#) ; } [nuclear propulsion B63H 21/18](#); [propulsion power plants or units per se { F01 to F04](#) }; [submerged exhausting apparatus F01N 13/12](#))
- [B63G 8/10](#) . . using steam plant
- [B63G 8/12](#) . . using internal-combustion engines
- [B63G 8/14](#) . Control of attitude or depth ([of torpedoes F42B 19/00](#))
- [B63G 8/16](#) . . by direct use of propellers or jets
- [B63G 8/18](#) . . by hydrofoils
- [B63G 8/20](#) . . Steering equipment ([B63G 8/16](#), [B63G 8/18](#) take precedence; [steering of vessels in general B63H 25/00](#))
- [B63G 8/22](#) . . Adjustment of buoyancy by water ballasting; Emptying equipment for ballast tanks ({ [conduits for emptying or ballasting on vessels in general B63B 13/00](#); } [stabilising vessels using ballast tanks B63B 43/06](#))
- [B63G 8/24](#) . . Automatic depth adjustment; Safety equipment for increasing buoyancy, e.g. detachable ballast, floating bodies
- [B63G 8/26](#) . . Trimming equipment
- [B63G 8/28](#) . Arrangement of offensive or defensive equipment
- [B63G 8/30](#) . . of artillery or missile launching means
- [B63G 8/32](#) . . of torpedo-launching means ([torpedo-launching means per se F41F 3/00](#)) ; of torpedo stores or handlers
- [B63G 8/33](#) . . of mine-laying means ([mine laying vessels other than submarines B63G 6/00](#))
- [B63G 8/34](#) . . Camouflage ([for other vessels B63G 13/02](#); in general [F41H 3/00](#))
- [B63G 8/36](#) . Adaptations of ventilation, [e.g. schnorkels,] 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](#))
- [B63G 8/38](#) . {[Arrangement of visual or electronic watch equipment, e.g. of periscopes, of radar](#) } ([periscopes, optical aiming or sighting devices per se G02B 23/00](#))
- [B63G 8/39](#) . Arrangement of sonic watch equipment, e.g. low-frequency, sonar
- [B63G 8/40](#) . Rescue equipment for personnel ([life-saving in water, not specially adapted for submarine personnel B63C](#))
- [B63G 8/41](#) . . Capsules, chambers, water-tight boats or the like, detachable from the submarine
- [B63G 8/42](#) . Towed underwater vessels

B63G 9/00	Other offensive or defensive arrangements on vessels against submarines, topedoes, or mines
B63G 9/02	. Means for protecting vessels against torpedo attack (armoured hulls B63B 3/10)
B63G 9/04	. . Nets or the like (net barriers for harbour defence F41H 11/00)
B63G 9/06	. for degaussing vessels (demagnetising in general H01F 13/00)
B63G 11/00	Aircraft carriers (other vessels or floating structures for aircraft B63B 35/50 ; launching or arresting gear for aircraft B64F)
B63G 13/00	Other offensive or defensive arrangements on vessels; Vessels characterised thereby
B63G 13/02	. Camouflage (for submarines B63G 8/34)
Guidance heading:	
B63G 2007/00	Mine-sweeping; Vessels characterised thereby
B63G 2007/005	. Unmanned autonomously operating mine sweeping vessels
B63G 2007/02	. Mine-sweeping means, Means for destroying mines
B63G 2007/06	. . of electromagnetic type
B63G 2007/065	. . . by making use of superconductivity
B63G 2008/00	Underwater vessels, e.g. submarines; { Equipment specially adapted therefor } (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)
B63G 2008/001	. { Underwater vessels adapted for special purposes, e.g. unmanned, underwater vessels; Equipment specially adapted therefor, e.g. docking stations (self-propelled or direction controlled diving chambers with mechanical link to a base B63C 11/42) }
	<u>WARNING</u>
	B63G 8/001 is not complete pending a reclassification; see also group B63C 11/42
B63G 2008/002	. . unmanned
B63G 2008/004	. . . autonomously operating
B63G 2008/005	. . . remotely controlled
B63G 2008/007 by means of a physical link to a base, e.g. wire, cable or umbilical
B63G 2008/008	. . . Docking stations for unmanned underwater vessels, or the like
B63G 2008/08	. Propulsion ({ schnorkels B63G 8/36 ; marine propulsion or steering in general B63H ; } nuclear propulsion B63H 21/18 ; propulsion power plants or units per se { F01 to F04 } ;

	submerged exhausting apparatus F01N 13/12)
B63G 2008/10	. . using steam plant
B63G 2008/105	. . . using Walter-type plants, i.e. power plants in which steam is generated in a reactor vessel by reaction between a fuel and an oxidant, e.g. hydrogen peroxide
B63G 2008/40	. Rescue equipment for personnel (life-saving in water, not specially adapted for submarine personnel B63C)
B63G 2008/403	. . Docking rescue units
B63G 2008/406	. . Submarine escape suits
B63G 2008/42	. Towed underwater vessels
B63G 2008/425	. . for transporting cargo, e.g. submersible barges for fluid cargo
B63G 2009/00	Other offensive or defensive arrangements on vessels against submarines, topedoes, or mines
B63G 2009/005	. of sonic watch equipment, e.g. low-frequency or sonar
B63G 2013/00	Other offensive or defensive arrangements on vessels; Vessels characterised thereby
B63G 2013/02	. Camouflage (for submarines B63G 8/34)
B63G 2013/022	. . using means for reducing noise emission into air or water
B63G 2013/025	. . using means for reducing radiation emission of electromagnetic waves, e.g. infrared, into air or water
B63G 2013/027	. . using stealth design, i.e. superstructures, hulls, or other vessel's components shaped or constructed for minimizing reflection of radar or sonar beams, or the like