

**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 2007/005**

. Unmanned autonomously operating mine sweeping vessels

**B63G 7/02**

. Mine-sweeping means, Means for destroying mines

**B63G 7/04**

.. by means of cables

**B63G 7/06**

.. of electromagnetic type

**B63G 2007/065**

... by making use of superconductivity

**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 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 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 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 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 2008/403 . . Docking rescue units
- B63G 2008/406 . . Submarine escape suits
- B63G 8/41 . . Capsules, chambers, water-tight boats or the like, detachable from the submarine
- B63G 8/42 . Towed underwater vessels
- B63G 2008/425 . . for transporting cargo, e.g. submersible barges for fluid cargo
- B63G 9/00** **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 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](#))
- 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