

# 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](#) - [B63B 2241/00](#) are to be used for relevant technical information concerning particular or unusual use, materials, design, methods or means.

1/00	Arrangements of guns or missile launchers; Vessels characterised thereby (submarines <a href="#">B63G 8/00</a> ; guns, missile launchers <a href="#">F41</a> )	8/08	• Propulsion ({ <a href="#">schnorkels B63G 8/36</a> ; marine propulsion or steering in general <a href="#">B63H</a> ;} nuclear propulsion <a href="#">B63H 21/18</a> ; propulsion power plants or units <a href="#">per se {F01 - F04}</a> ; submerged exhausting apparatus <a href="#">F01N 13/12</a> )
3/00	Arrangements of ammunition stores or handlers (specially for submarines <a href="#">B63G 8/00</a> ; feeding ammunition missiles or projectiles to guns in general <a href="#">F41A 9/00</a> ); Vessels characterised thereby (general cargo aspects <a href="#">B63B</a> )	8/10 2008/105	• . using steam plant • . . {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}
3/02	• for torpedoes	8/12	• . using internal-combustion engines
3/04	• for missiles	8/14	• Control of attitude or depth (of torpedoes <a href="#">F42B 19/00</a> )
3/06	• for mines or depth charges	8/16	• . by direct use of propellers or jets
5/00	Vessels characterised by adaptation to torpedo launching (submarines <a href="#">B63G 8/00</a> ; torpedo launching <a href="#">per se F41F</a> )	8/18	• . by hydrofoils
6/00	Laying of mines or depth charges; Vessels characterised thereby (arrangements on submarines for mine laying <a href="#">B63G 8/33</a> )	8/20	• . Steering equipment ( <a href="#">B63G 8/16</a> , <a href="#">B63G 8/18</a> take precedence; steering of vessels in general <a href="#">B63H 25/00</a> )
7/00	Mine-sweeping; Vessels characterised thereby	8/22	• . Adjustment of buoyancy by water ballasting; Emptying equipment for ballast tanks ({ <a href="#">conduits for emptying or ballasting on vessels in general B63B 13/00</a> ;} stabilising vessels using ballast tanks <a href="#">B63B 43/06</a> )
2007/005	• {Unmanned autonomously operating mine sweeping vessels}	8/24	• . Automatic depth adjustment; Safety equipment for increasing buoyancy, e.g. detachable ballast, floating bodies
7/02	• Mine-sweeping means, Means for destroying mines	8/26	• . Trimming equipment
7/04	• . by means of cables	8/28	• Arrangement of offensive or defensive equipment
7/06	• . of electromagnetic type	8/30	• . of artillery or missile launching means
2007/065	• . . {by making use of superconductivity}	8/32	• . of torpedo-launching means (torpedo-launching means <a href="#">per se F41F 3/00</a> ); of torpedo stores or handlers
7/08	• . of acoustic type	8/33	• . of mine-laying means (mine laying vessels other than submarines <a href="#">B63G 6/00</a> )
8/00	Underwater vessels, e.g. submarines; {Equipment specially adapted therefor} (submarine hulls <a href="#">B63B 3/13</a> ; diving chambers with mechanical link, e.g. cable, to a base <a href="#">B63C 11/34</a> ; divers' sleds <a href="#">B63C 11/46</a> ; torpedoes <a href="#">F42B 19/00</a> )	8/34	• . Camouflage (for other vessels <a href="#">B63G 13/02</a> ; in general <a href="#">F41H 3/00</a> )
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 <a href="#">B63C 11/42</a> )}	8/36	• Adaptations of ventilation, {e.g. <a href="#">schnorkels</a> ,} cooling, heating, or air-conditioning (reconditioning air in sealed chambers <a href="#">A62B 11/00</a> ; for vessels in general <a href="#">B63J 2/00</a> ; air-conditioning in general <a href="#">F24F</a> )
2008/002	• . {unmanned}	8/38	• Arrangement of visual or electronic watch equipment, e.g. of periscopes, of radar ({ <a href="#">periscopes, optical aiming or sighting devices per se G02B 23/00</a> })
2008/004	• . . {autonomously operating}	8/39	• Arrangement of sonic watch equipment, e.g. low-frequency, sonar
2008/005	• . . {remotely controlled}	8/40	• Rescue equipment for personnel (life-saving in water, not specially adapted for submarine personnel <a href="#">B63C</a> )
2008/007	• . . . {by means of a physical link to a base, e.g. wire, cable or umbilical}	2008/403	• . {Docking rescue units}
2008/008	• . . {Docking stations for unmanned underwater vessels, or the like}	2008/406	• . {Submarine escape suits}
8/04	• Superstructure		
8/06	• . Conning-towers		

## B63G

- 8/41 . . Capsules, chambers, water-tight boats or the like, detachable from the submarine
- 8/42 . Towed underwater vessels
- 2008/425 . . {for transporting cargo, e.g. submersible barges for fluid cargo}
- 9/00 Other offensive or defensive arrangements on vessels against submarines, torpedoes, or mines**
- 2009/005 . {of sonic watch equipment, e.g. low-frequency or sonar}
- 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** (other vessels or floating structures for aircraft [B63B 35/50](#); launching or arresting gear for aircraft [B64F](#))
- 13/00 Other offensive or defensive arrangements on vessels; Vessels characterised thereby**
- 13/02 . Camouflage (for submarines [B63G 8/34](#))
- 2013/022 . . {using means for reducing noise emission into air or water}
- 2013/025 . . {using means for reducing radiation emission of electromagnetic waves, e.g. infrared, into air or water}
- 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}