

# CPC COOPERATIVE PATENT CLASSIFICATION

## B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

### 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](#))

### 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.

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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> )	2008/002	. . {unmanned}
		2008/004	. . . {autonomously operating}
		2008/005	. . . {remotely controlled}
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> )	2008/007	. . . . {by means of a physical link to a base, e.g. wire, cable or umbilical}
		2008/008	. . . {Docking stations for unmanned underwater vessels, or the like}
3/02	. for torpedoes	8/04	. Superstructure
3/04	. for missiles	8/06	. . Conning-towers
3/06	. for mines or depth charges	8/08	. Propulsion ({schnorkels <a href="#">B63G 8/36</a> ; nuclear propulsion <a href="#">B63H 21/18</a> ; submerged exhausting apparatus <a href="#">F01N 13/12</a> )
5/00	Vessels characterised by adaptation to torpedo launching (submarines <a href="#">B63G 8/00</a> ; torpedo launching per se <a href="#">F41F</a> )	8/10	. . using steam plant
		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}
6/00	Laying of mines or depth charges; Vessels characterised thereby (arrangements on submarines for mine laying <a href="#">B63G 8/33</a> )	8/12	. . using internal-combustion engines
		8/14	. Control of attitude or depth (of torpedoes <a href="#">F42B 19/00</a> )
7/00	Mine-sweeping; Vessels characterised thereby	8/16	. . by direct use of propellers or jets
2007/005	. {Unmanned autonomously operating mine sweeping vessels}	8/18	. . by hydrofoils
7/02	. Mine-sweeping means, Means for destroying mines	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> )
7/04	. . by means of cables		
7/06	. . of electromagnetic type		
2007/065	. . . {by making use of superconductivity}	8/22	. . Adjustment of buoyancy by water ballasting; Emptying equipment for ballast tanks ({conduits for emptying or ballasting on vessels in general <a href="#">B63B 13/00</a> ; stabilising vessels using ballast tanks <a href="#">B63B 43/06</a> )
7/08	. . of acoustic type		
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> )	8/24	. . Automatic depth adjustment; Safety equipment for increasing buoyancy, e.g. detachable ballast, floating bodies
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> )}	8/26	. . 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 <a href="#">F41F 3/00</a> ); of torpedo stores or handlers

- 8/33 . . of mine-laying means (mine laying vessels other than submarines [B63G 6/00](#))
- 8/34 . . Camouflage (for other vessels [B63G 13/02](#); in general [F41H 3/00](#))
- 8/36 . . Adaptations of ventilation, {e.g. schnorkels,} cooling, heating, or air-conditioning (reconditioning air in sealed chambers [A62B 11/00](#))
- 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](#))}
- 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](#))
- 2008/403 . . {Docking rescue units}
- 2008/406 . . {Submarine escape suits}
- 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}