

65 Skeppsbyggnad; Sjöfart

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|------------|---|-------|
| 65a1 | Fartygs form, byggnad eller användningsområden | [-69] |
| 65a2 | Anordningar eller utrustning för fartyg | [-69] |
| 65a | (IPC: B63B) Ships or other waterborne vessels; Equipment for shipping | [69-] |
| 65b | Dockning eller sjösättning av fartyg; Undervattensarbeten; Dykning; Bärgning; Livräddning till sjöss | [-69] |
| 65b | (IPC: B63C) Launching, hauling-out, or dry-docking of vessels; Life-saving in water; Equipment for dwelling or working under water; Means for salvaging or searching for underwater objects | [69-] |
| 65c | Båtar; Liknande farkoster | [-69] |
| 65d | Torpeder | |
| 65e | Sjöminor | |
| 65f1 | Drivning av fartyg | [-69] |
| 65f2 | Maskinella anordningar ombord på fartyg | [-69] |
| 65f3 | Propellrar e.d. | [-69] |
| 65g | (IPC: B63G) Offensive or defensive arrangements on vessels; Mine-laying; Mine-sweeping; Submarines; Aircraft carriers | [69-] |
| 65h | (IPC: B63H) Marine propulsion or steering | [69-] |
| 65j | (IPC: B63J) Auxiliaries on vessels | [69-] |
| 65a1 | Fartygs form, byggnad eller användningsområden | [-69] |
| | Speciella typer av fartyg eller flytkroppar | [-69] |
| 65a1-1 | Lastfartyg, färjor e.d. | [-69] |
| 65a1-2 | Fiskefartyg (anordningar för fiskbehandling 65a2-39) | [-69] |
| 65a1-3 | Isbrytare | [-69] |
| 65a1-4 | Undervattensbåtar (byggnad 65a1-15 – 65a1-20; anordningar 65a2; anordningar för bärgning eller lokalisering av u-båtar 65b-18; räddningsanordningar 65b-25) | [-69] |
| 65a1-5 | Flytande hamnar, verkstäder, magasin eller batterier | [-69] |
| 65a1-6 | Flytande plattformar för flygplan; Transport, förvaring eller lastning av flygplan på fartyg (flygplansdockor 65b-3) | [-69] |
| 65a1-7 | Pråmar, t.ex. självlossande; Läktare; Flodbåtar | [-69] |
| 65a1-8 | Andra farkoster eller flytkroppar; Pontoner, t.ex. för pontonbroar (pontonbroar e.d. 19d-6/05, 19d-15/14); Fisksumpar e.d. | [-69] |
| 65a1-9 | Farkoster för användning på både vatten och land | [-69] |
| | Fartyg kännetecknade av skrovformen | [-69] |
| 65a1-10 | Fartygsformer kännetecknade av vattenmotstånd, stabilitet eller framställning, i allmänhet | [-69] |
| 65a1-10/01 | Metoder eller anordningar för mätning av vattenmotstånd | [-69] |
| 65a1-11 | Glidfartyg; Glidbåtar | [-69] |
| 65a1-12 | Minskning av friktionsmotståndet på bordläggningssytan | [-69] |

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| 65a1-13 | Speciella skrovformer; Kombination av flera flytkroppar; Rullflottörer, skruvflottörer e.d. (flyttrummor som propellrar 65f3-4) | [-69] |
| | Skrovbyggnad | [-69] |
| 65a1-14 | Fartyg av trä, armerad betong eller kombinerade material | [-69] |
| 65a1-15 | Fartyg av stål, t.ex. byggnadssystem eller svetsade förband; Byggande av u-båtsskrov | [-69] |
| 65a1-16 | Detaljer, t.ex. stävar, garnering eller rumsanordningar | [-69] |
| 65a1-17 | Inre beklädnad eller isolering av fartygsrum | [-69] |
| 65a1-18 | Speciella förfaranden vid byggande av fartyg | [-69] |
| 65a1-19 | Konservering av skrov; Rengöring av eller hindrande av beväxning på bordläggningssytor (katodiskt skydd i allmänhet 48d1-13/00) | [-69] |
| 65a1-20 | Utformning av skrov för skydd mot yttre skador, t.ex. bepansring, skyddsskott eller cellindelning | [-69] |
| 65a2 | Anordningar eller utrustning för fartyg | [-69] |
| | Anordningar för ankring eller förtöjning | [-69] |
| 65a2-1 | Anordningar för ankring; Delar av sådana | [-69] |
| 65a2-2 | Ankare för fartyg | [-69] |
| 65a2-3 | Förtöjningsanordningar | [-69] |
| 65a2-4 | Ankare för bogsering (draggår, svepankare 65b-19) | [-69] |
| | Styranordningar (maskinella anordningar för roderanläggningar 65f2, handstyranordningar för båtar 65c-9) | [-69] |
| 65a2-5 | Roder kännetecknade av form, byggnad eller anordning | [-69] |
| 65a2-6 | Koppling mellan roder och styrmaskin eller ratt vid handstyrning | [-69] |
| 65a2-7 | Styrning med styrpropellrar eller reaktionsdrift | [-69] |
| 65a2-8 | Bromsanordningar | [-69] |
| 65a2-9 | Djuproder på u-båtar | [-69] |
| 65a2-10 | Andra styranordningar | [-69] |
| | Anordningar för båtar ombord på fartyg | [-69] |
| 65a2-11 | Vridbara dävertar | [-69] |
| 65a2-12 | Fällbara dävertar | [-69] |
| 65a2-13 | Tyngdkraftdävertar | [-69] |
| 65a2-14 | Båtkranar | [-69] |
| 65a2-15 | Andra anordningar för utsättning av båtar | [-69] |
| 65a2-16 | Anordningar för säkerställandet av utsättning av båtar i krängt läge | [-69] |
| 65a2-17 | Tackling för dävertar, t.ex. upphängning, linföring eller båtkablar | [-69] |
| 65a2-18 | Anordningar vid dävertar eller spel (spel 35c) | [-69] |
| 65a2-19 | Lagring av båtar; Transport av båtar till utsättningsplatsen | [-69] |
| 65a2-20 | Anordningar för frikoppling av båtar från deras upphängning | [-69] |
| | Master; Tackling | [-69] |
| 65a2-21 | Master; Rundhult | [-69] |
| 65a2-22 | Konstruktion eller anordning av segel | [-69] |
| 65a2-23 | Tackel | [-69] |
| 65a2-24 | Fästning eller styrning av linor, t.ex. pollare, klampar, block eller stoppare | [-69] |
| 65a2-25 | Fallrep; Landgångar | [-69] |
| | Anordningar ombord för lastning, lossning eller transport av last (andra anordningar för lastning eller lossning av fartyg 81e) | [-69] |
| 65a2-26 | Lastbommar; Kranar | [-69] |
| 65a2-27 | Hissar; Transportband | [-69] |
| 65a2-28 | Transport med hjälp av vatten eller luft | [-69] |

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| 65a2-29 | Stuvning eller trimning av last i allmänhet, t.ex. styckegods | [-69] |
| 65a2-30 | Mottagning eller förvaring av flytande last, t.ex. förvaring av olja i u-båtar | [-69] |
| 65a2-31 | Anordningar för bunkring av kol | [-69] |
| 65a2-32 | Andra anordningar för lastning eller lossning (självlossande pråmar 65a1-7) | [-69] |
| 65a2-33 | Lastluckor | [-69] |
| | Anordningar för fartygs inre drift | [-69] |
| 65a2-34 | Fönster | [-69] |
| 65a2-35 | Dörrar; Portar; Luckor; Skylights | [-69] |
| 65a2-36 | Anordningar för stängning av vattentäta dörrar | [-69] |
| 65a2-37 | Trappor; Fallrep (fallrep även 65a2-25) | [-69] |
| 65a2-38 | Värme; Ventilation, t.ex. lufttillförsel för pannrum eller maskinrum (forcerat drag 65f2-3; allmänt 24i) | [-69] |
| 65a2-39 | Kylanläggningar eller frysanläggningar speciellt avsedda för fartyg (53c-3/01) | [-69] |
| 65a2-40 | Eldsläckningsanordningar (flodsprutor 61a) | [-69] |
| 65a2-41 | Anordningar för brandlarm, röklarm eller gaslarm | [-69] |
| 65a2-42 | Anordningar för länsning eller fyllning, t.ex. för länsning av olja ur kölrums (länsppumpar 59b, pumpanordningar 65f2-10) | [-69] |
| 65a2-43 | Anordningar som indikerar vatten i fartyget; Pejlanordningar | [-69] |
| 65a2-44 | Anordningar för dykare på u-båtar | [-69] |
| 65a2-45 | Tvättställ, badkar, wc-stolar e.d.; Anordningar för sådana | [-69] |
| 65a2-46 | Artilleribord; Anordningar för torpeder eller minor, t.ex. på u-båtar (kanoner 72c, transport av ammunition 72d; anordningar för utskjutning av torpeder 65d; anordningar för fällning av minor 65e) | [-69] |
| | Anordning eller inredning av hytter, salonger eller mässar | [-69] |
| 65a2-47 | Belysning | [-69] |
| 65a2-48 | Bord | [-69] |
| 65a2-49 | Kojer | [-69] |
| 65a2-50 | Stolar | [-69] |
| 65a2-51 | Andra fartygsmöbler | [-69] |
| 65a2-52 | Speciella anordningar för stabilisering av föremål | [-69] |
| | Anordningar som påverkar stabilitet eller fartygsrörelser (mätning av stabilitet eller krängning 42c-25) | [-69] |
| 65a2-53 | Sidoflottörer; Utriggare | [-69] |
| 65a2-54 | Dämpning av vågor | [-69] |
| | Dämpning av fartygs svängningsrörelser | [-69] |
| 65a2-55 | med hjälp av gyron | [-69] |
| 65a2-56 | med hjälp av utstående plattor eller slingerkölur | [-69] |
| 65a2-57 | med hjälp av vatten i fartygets inre | [-69] |
| 65a2-58 | med hjälp av förskjutbara vikter | [-69] |
| 65a2-59 | med hjälp av andra stabiliseringsanordningar | [-69] |
| | Anordningar för att säkerställa flytbarheten | [-69] |
| 65a2-60 | Bibehållande av flytkraften genom förhindring av kantring eller sänkning | [-69] |
| 65a2-61 | Fendrar | [-69] |
| 65a2-62 | Buffertanordningar | [-69] |
| 65a2-63 | Läcksäkring | [-69] |
| 65a2-64 | Speciella anordningar på u-båtar för säkerställande av flytbarheten, t.ex. fällbara vikter | [-69] |
| 65a2-65 | Anordningar för markering eller mätning av stabilitet (krängningsmätare 42c-25/01) | [-69] |

Anordningar för fartygsföring eller navigering (vattendjupmätare för obegränsade djup 42c-28 – 42c-31) **[-69]**

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| 65a2-66 | Trimindikatorer | [-69] |
| 65a2-67 | Undvikande av grundkänning, kollision eller beröring med andra flytande kroppar genom mekaniska anordningar (fartygsbromsar 65a2-8) | [-69] |
| 65a2-68 | Navigering med optiska hjälpmedel (utformning av optiska hjälpmedel 74d); Anordning av periskop (periskop 42h-10/02, nautiska instrument 42c-41; undervisningsmateriel för navigation 42n-6/09) | [-69] |
| 65a2-69 | Navigering med akustiska hjälpmedel (utformning av akustiska hjälpmedel 74d) | [-69] |
| 65a2-70 | Navigering med elektriska hjälpmedel (elektriska detaljer 21a, 21e, 21g) | [-69] |
| 65a2-71 | Bojar; Sjömärken (utformning av signaleringshjälpmedel 74d) | [-69] |
| 65a2-72 | Anordningar på fartyg för borttagning av dimma (62c-20/02, 45f-10; 45f-15/00; 72g-7/04) | [-69] |
| 65a2-73 | Minskning av fartygs synlighet (45k-4/50; 45k-13/00; 62c-20/02; 72g-7/04; kemiska förfaranden 78d-1/02) | [-69] |
| 65a2-74 | Anordningar på u-båtar för skydd mot fällor, nät, e.d. | [-69] |

65a (IPC: B63B) Ships or other waterborne vessels; Equipment for shipping (air-cushion vehicles 62b-60) **[-69-]**

65a-1/00 Hydrodynamic or hydrostatic features of hulls or of hydrofoils (hulls peculiar to submarines 65a-3/13; keels 65a-3/38; determining hydrodynamic or hydrostatic features 65a-9/00) **[-69-]**

| | | |
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| 65a-1/02 | . deriving lift mainly from water displacement (65a-1/16 takes precedence) | [-69-] |
| 65a-1/04 | . . with single hull | [-69-] |
| 65a-1/06 | . . . Shape of fore part | [-69-] |
| 65a-1/08 | . . . Shape of aft part | [-69-] |
| 65a-1/10 | . . with multiple hulls | [-69-] |
| 65a-1/12 | . . . the hulls being interconnected rigidly | [-69-] |
| 65a-1/14 | . . . the hulls being interconnected resiliently | [-69-] |
| 65a-1/16 | . deriving additional lift from hydrodynamic forces | [-69-] |
| 65a-1/18 | . . of hydroplane type | [-69-] |
| 65a-1/20 | . . . having more than one planing surface (65a-1/22 takes precedence) | [-69-] |
| 65a-1/22 | . . . with adjustable planing surfaces | [-69-] |
| 65a-1/24 | . . of hydrofoil type | [-69-] |
| 65a-1/26 | . . . having more than one hydrofoil (65a-1/28 takes precedence) | [-69-] |
| 65a-1/28 | . . . with movable hydrofoils | [-69-] |
| 65a-1/30 | retracting or folding | [-69-] |
| 65a-1/32 | . Other means for varying the inherent hydrodynamic characteristics of hulls | [-69-] |
| 65a-1/34 | . . by reducing surface friction | [-69-] |
| 65a-1/36 | . . . using mechanical means | [-69-] |
| 65a-1/38 | . . . using air bubbles or air layers | [-69-] |
| 65a-1/40 | . . by diminishing wave resistance | [-69-] |

65a-3/00 Constructions of hulls (non-metallic hulls 65a-5/00; designing, building, maintaining, or repairing methods 65a-9/00) **[-69-]**

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| 65a-3/02 | . Hulls assembled from prefabricated sub-units | [-69-] |
| 65a-3/04 | . . with permanently-connected sub-units | [-69-] |
| 65a-3/06 | . . . the sub-units being substantially identical | [-69-] |
| 65a-3/08 | . . with detachably-connected sub-units | [-69-] |
| 65a-3/09 | . Hulls constructed of non-magnetic metal | [-69-] |
| 65a-3/10 | . Armoured hulls | [-69-] |
| 65a-3/12 | . Frameless hulls | [-69-] |
| 65a-3/13 | . Hulls built to withstand hydrostatic pressure when fully submerged, e.g. submarine hulls | [-69-] |
| 65a-3/14 | . Hull parts (hull armour 65a-3/10) | [-69-] |
| 65a-3/16 | . . Shells (ports or closures therefor 65a-19/00) | [-69-] |
| 65a-3/18 | . . . characterised by being formed predominantly of parts that may be developed into plane surfaces | [-69-] |

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| 65a-3/20 | . . . of double type | [69-] |
| 65a-3/22 | . . . with corrugations | [69-] |
| 65a-3/24 | . . . Means for diminishing external ridges or protrusions | [69-] |
| 65a-3/26 | . . Frames | [69-] |
| 65a-3/28 | . . . of transverse type; Stringers | [69-] |
| 65a-3/30 | Bilge knees; Beam knees | [69-] |
| 65a-3/32 | . . . Web frames; Web beams | [69-] |
| 65a-3/34 | . . . of longitudinal type; Bulkhead connections | [69-] |
| 65a-3/36 | . . . Combined frame systems | [69-] |
| 65a-3/38 | . . Keels (movable keels 65a-41/00) | [69-] |
| 65a-3/40 | . . Stern posts; Stern frames | [69-] |
| 65a-3/42 | . . Shaft brackets | [69-] |
| 65a-3/44 | . . Bilge keels (stabilising aspect 39/06) | [69-] |
| 65a-3/46 | . . Stems | [69-] |
| 65a-3/48 | . . Decks (planking 65a-5/06) | [69-] |
| 65a-3/50 | . . . of vaulted type | [69-] |
| 65a-3/52 | . . . Pillars; Deck girders | [69-] |
| 65a-3/54 | . . . Hatch openings | [69-] |
| 65a-3/56 | . . Bulkheads; Bulkhead reinforcements (arrangements of watertight doors 65a-43/24) | [69-] |
| 65a-3/58 | . . . with flat plating | [69-] |
| 65a-3/60 | . . . with curved or corrugated plating | [69-] |
| 65a-3/62 | . . Double bottoms; Tank tops | [69-] |
| 65a-3/64 | . . . Keelsons | [69-] |
| 65a-3/66 | . . Gratings | [69-] |
| 65a-3/68 | . . Panelling; Linings, e.g. for insulating purposes | [69-] |
| 65a-3/70 | . . Reinforcements for carrying localised loads, e.g. propulsion plant, guns | [69-] |
| 65a-5/00 | Hulls characterised by their construction of non-metallic material | [69-] |
| 65a-5/02 | . made predominantly of wood | [69-] |
| 65a-5/04 | . . Carcasses | [69-] |
| 65a-5/06 | . . Decks; Shells | [69-] |
| 65a-5/08 | . . . with single-layer planking | [69-] |
| 65a-5/10 | . . . with multiple-layer planking | [69-] |
| 65a-5/12 | . made predominantly of wood with metal reinforcement, i.e. composite construction | [69-] |
| 65a-5/14 | . made predominantly of concrete, e.g. reinforced | [69-] |
| 65a-5/16 | . . monolithic | [69-] |
| 65a-5/18 | . . built-up from elements | [69-] |
| 65a-5/20 | . . . in combination with elements of other materials | [69-] |
| 65a-5/22 | . . with reinforcing members external to shell | [69-] |
| 65a-5/24 | . made predominantly of plastics | [69-] |
| 65a-7/00 | Collapsible, foldable, inflatable, or like vessels (foldable pontoons 65a-35/36) | [69-] |
| 65a-7/02 | . comprising only rigid parts | [69-] |
| 65a-7/04 | . . sectionalised | [69-] |
| 65a-7/06 | . having parts of non-rigid material | [69-] |
| 65a-7/08 | . . inflatable | [69-] |
| 65a-9/00 | Methods of designing, building, maintaining, converting, refitting, or repairing of vessels, not otherwise provided for (shuttering for building concrete vessels 37e) | [69-] |
| 65a-9/02 | . Using towing tanks or model basins for designing | [69-] |
| 65a-9/04 | . Rebuilding ships, e.g. increasing tonnage | [69-] |
| 65a-11/00 | Interior subdivision of hulls (bulkhead space construction 65a-3/56) | [69-] |
| 65a-11/02 | . Arrangement of bulkheads, e.g. defining cargo spaces | [69-] |
| 65a-11/04 | . Constructional features of bunkers or ballast tanks, e.g. with elastic walls (cleaning of tanks 65a-57/00) | [69-] |
| 65a-11/06 | . Propeller-shaft tunnels | [69-] |

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| 65a-13/00 | Conduits for emptying or ballasting; Self-bailing equipment; Scuppers (draining means for hatches 65a-19/26; centrifugal bilge-water separators 85b; pipes in general 47f1) | [69-] |
| 65a-13/02 | . Ports for passing water through vessels' sides | [69-] |
| 65a-15/00 | Superstructures; Arrangements or adaptations of masts (loading or unloading equipment 65a-27/00; sails, running rigging 65h) | [69-] |
| 65a-15/02 | . Staying of masts or of other superstructures | [69-] |
| 65a-17/00 | Vessels parts, details, or accessories, not otherwise provided for | [69-] |
| 65a-17/02 | . Awnings | [69-] |
| 65a-17/04 | . Stanchions; Guard-rails | [69-] |
| 65a-17/06 | . Refuse discharge, e.g. for ash (removal of domestic or like refuse 81d) | [69-] |
| 65a-19/00 | Arrangements or adaptations of ports, doors, windows, port-holes, or other openings or covers (scuppers 65a-13/00; arrangements of watertight doors in bulkheads 65a-43/24) | [69-] |
| 65a-19/02 | . Clear-view screens | [69-] |
| 65a-19/04 | . Air-catching equipment related to windows or port-holes (ventilation 65j-2/00) | [69-] |
| 65a-19/06 | . . readily detachable | [69-] |
| 65a-19/08 | . Ports or like openings in vessels' sides | [69-] |
| 65a-19/10 | . . Coal ports | [69-] |
| 65a-19/12 | . Hatches; Hatchways (hatch coamings 65a-3/54) | [69-] |
| 65a-19/14 | . . Hatch covers (opening devices in general 68d) | [69-] |
| 65a-19/16 | . . . with detachable boards | [69-] |
| 65a-19/18 | . . . slidable | [69-] |
| 65a-19/20 | . . . foldable; of roll-up type | [69-] |
| 65a-19/22 | . . Hatch beams | [69-] |
| 65a-19/24 | . . Hatch fastenings, e.g. cleats | [69-] |
| 65a-19/26 | . . Gaskets; Draining means | [69-] |
| 65a-19/28 | . . Other safety devices | [69-] |
| 65a-21/00 | Tying-up; Shifting, towing, or pushing equipment; Anchoring; Buoys (equipment for shipping in harbours 84a) | [69-] |
| 65a-21/02 | . Magnetic mooring equipment | [69-] |
| 65a-21/04 | . Fastening or guiding equipment for chains, ropes, hawsers, or the like | [69-] |
| 65a-21/06 | . . Bollards (bollards in general 84a) | [69-] |
| 65a-21/08 | . . Clamping devices (in general 47a1) | [69-] |
| 65a-21/10 | . . Fairleads | [69-] |
| 65a-21/12 | . . Rat guards | [69-] |
| 65a-21/14 | . . Hawse-holes; Hawse-pipes; Hawse-hole closures | [69-] |
| 65a-21/16 | . Using winches (winches per se 35c) | [69-] |
| 65a-21/18 | . Stoppers for anchor chains | [69-] |
| 65a-21/20 | . Adaptations of chains, or parts thereof (chains, in general 47d) | [69-] |
| 65a-21/22 | . Handling or lashing anchors | [69-] |
| 65a-21/24 | . Anchors | [69-] |
| 65a-21/26 | . . securing to bed | [69-] |
| 65a-21/28 | . . . driven-in by explosive charge | [69-] |
| 65a-21/30 | . . rigid when in use (65a-21/28 takes precedence) | [69-] |
| 65a-21/32 | . . . with one fluke | [69-] |
| 65a-21/34 | . . . with two or more flukes | [69-] |
| 65a-21/36 | foldable | [69-] |
| 65a-21/38 | . . pivoting when in use (65a-21/28 takes precedence) | [69-] |
| 65a-21/40 | . . . with one fluke | [69-] |
| 65a-21/42 | of ploughshare type | [69-] |
| 65a-21/44 | . . . with two or more flukes | [69-] |
| 65a-21/46 | . . with sliding connection to chain | [69-] |
| 65a-21/48 | . . Sea-anchors; Drogues | [69-] |
| 65a-21/50 | . Anchoring arrangements for special vessels, e.g. for floating drilling platforms | [69-] |
| 65a-21/52 | . Buoys (adaptations or arrangements for marking navigational routes 65a-51/02); Anchoring arrangements therefor | [69-] |

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| 65a-21/54 | . Boat-hooks or the like | [69-] |
| 65a-21/56 | . Towing or pushing equipment (tugs 65a-35/66) | [69-] |
| 65a-21/58 | . . Adaptations of hooks for towing; Towing-hook mountings (hooks in general 47a1) | [69-] |
| 65a-21/60 | . . . Quick releases | [69-] |
| 65a-21/62 | . . characterised by moving of more than one vessel (rigid interconnections between pontoons 65a-35/38) | [69-] |
| 65a-23/00 | Equipment for handling lifeboats or the like | [69-] |
| 65a-23/02 | . Davits, i.e. devices having arms for lowering boats by cables or the like | [69-] |
| 65a-23/04 | . . with arms pivoting on substantially-horizontal axes, e.g. gravity type | [69-] |
| 65a-23/06 | . . . with actual pivots | [69-] |
| 65a-23/08 | the arms being articulated | [69-] |
| 65a-23/10 | with positive drive of the arms | [69-] |
| 65a-23/12 | . . . with simulated pivots | [69-] |
| 65a-23/14 | using linkages | [69-] |
| 65a-23/16 | using guide tracks | [69-] |
| 65a-23/18 | . . with arms pivoting on substantially-vertical axes | [69-] |
| 65a-23/20 | . . . Davits with single arms (cranes in general 35b) | [69-] |
| 65a-23/22 | Slings or the like therefor | [69-] |
| 65a-23/24 | . . . Slewing equipment therefor | [69-] |
| 65a-23/26 | . . with rectilinear translation of boat before lowering | [69-] |
| 65a-23/28 | . Devices for projecting or releasing boats for free fall | [69-] |
| 65a-23/30 | . Devices for guiding boats to water surface | [69-] |
| 65a-23/32 | . . Rigid guides, e.g. having arms pivoted near waterline | [69-] |
| 65a-23/34 | . . Guiding means for lowering by cables, e.g. for listing ships | [69-] |
| 65a-23/36 | . . . Skid fenders | [69-] |
| 65a-23/38 | . Transport of boats to davits or the like | [69-] |
| 65a-23/40 | . Use of lowering or hoisting gear | [69-] |
| 65a-23/42 | . . with braking equipment | [69-] |
| 65a-23/44 | . . . on the ship | [69-] |
| 65a-23/46 | . . . in the boat | [69-] |
| 65a-23/48 | . . Using winches for boat handling (winches per se 35c) | [69-] |
| 65a-23/50 | . . . with tensioning gear | [69-] |
| 65a-23/52 | . . . with control of winches from boat | [69-] |
| 65a-23/54 | . . with trimming equipment | [69-] |
| 65a-23/56 | . . . controlled from boat | [69-] |
| 65a-23/58 | . . with tackle-engaging or release gear | [69-] |
| 65a-23/60 | . . Additional connections between boat and davit | [69-] |
| 65a-23/62 | . Fastening or storing of boats on deck | [69-] |
| 65a-23/64 | . . Lashings; Covers | [69-] |
| 65a-23/66 | . . Blocks; Chocks | [69-] |
| 65a-23/68 | . . . for stacking boats | [69-] |
| 65a-25/00 | Load-accommodating arrangements, e.g. stowing, trimming; Vessels characterised thereby (constructive aspects of cargo-spaces 65a-11/00; hatches, hatchways 65a-19/12; trimming otherwise than by cargo division e.g. by use of ballast, 65a-43/06, 65a-43/08) | [69-] |
| 65a-25/02 | . for bulk goods | [69-] |
| 65a-25/04 | . . solid | [69-] |
| 65a-25/06 | . . . for cereals | [69-] |
| 65a-25/08 | . . fluid | [69-] |
| 65a-25/10 | . . . open to ambient air | [69-] |
| 65a-25/12 | . . . closed | [69-] |
| 65a-25/14 | pressurised | [69-] |
| 65a-25/16 | heat-insulated (insulating panelling 65a-3/68; heating or cooling 65j-2/00) | [69-] |
| 65a-25/18 | . Detachable decks | [69-] |
| 65a-25/20 | . . for motor vehicles or the like | [69-] |
| 65a-25/22 | . for palletised articles | [69-] |
| 65a-25/24 | . Means for preventing unwanted cargo movement, e.g. dunnage | [69-] |
| 65a-25/26 | . for frozen goods | [69-] |

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| 65a-25/28 | . for deck loads | [69-] |
| 65a-27/00 | Loading or unloading cargo or passengers (self-discharging barges or lighters 65a-35/30; shore-based 81e) | [69-] |
| 65a-27/02 | . with intermittent action | [69-] |
| 65a-27/04 | . . Ships' derricks, i.e. employing ships' masts (derricks in general 35b) | [69-] |
| 65a-27/06 | . . . with slewing force exerted at pivoted end | [69-] |
| 65a-27/08 | . . using winches (winches per se 35c) | [69-] |
| 65a-27/10 | . . using cranes (cranes per se 35b) | [69-] |
| 65a-27/12 | . . . of gantry type | [69-] |
| 65a-27/14 | . . Ramps, gangways or other outboard ladders (inboard ladders 65a-29/20) | [69-] |
| 65a-27/16 | . . using lifts or hoists (elevators per se 35a) | [69-] |
| 65a-27/18 | . . using cableways, e.g. with breeches-buoys (cableways per se 20a) | [69-] |
| 65a-27/20 | . with continuous action | [69-] |
| 65a-27/22 | . . using endless-band or like conveyers (conveyers per se 81e) | [69-] |
| 65a-27/24 | . . Loading or unloading fluids | [69-] |
| 65a-27/26 | . . using devices with throwing action (devices with throwing action per se 81e) | [69-] |
| 65a-27/28 | . . using chutes (chutes per se 81e) | [69-] |
| 65a-29/00 | Accommodation for crew or passengers not otherwise provided for | [69-] |
| 65a-29/02 | . Cabins or other living spaces; Construction or arrangement thereof | [69-] |
| 65a-29/04 | . . Furniture peculiar to vessels (floatable furniture 65b) | [69-] |
| 65a-29/06 | . . . Fastening to floors | [69-] |
| 65a-29/08 | . . . Storm guards on tables, e.g. fiddles | [69-] |
| 65a-29/10 | . . . Berths; Mounting ladders therefor | [69-] |
| 65a-29/12 | . . . Self-levelling mountings | [69-] |
| 65a-29/14 | . . Closet or like flushing arrangements; Washing or bathing facilities peculiar to ships | [69-] |
| 65a-29/16 | . Soil-water discharges | [69-] |
| 65a-29/18 | . Arrangements or adaptations of swimming pools | [69-] |
| 65a-29/20 | . Arrangements or adaptations of ladders (mounting ladders for berths 65a-29/10) | [69-] |
| 65a-35/00 | Vessels or like floating structures not otherwise provided for (vessels characterised by load-accommodating arrangements 65a-25/00; submarines, mine-layers, or mine-sweepers 65g; buoyant containers 65b) | [69-] |
| 65a-35/02 | . adapted for special purposes | [69-] |
| 65a-35/04 | . . Cable-laying vessels | [69-] |
| 65a-35/06 | . . . for moving cable-ends from ship to shore | [69-] |
| 65a-35/08 | . . Ice-breakers | [69-] |
| 65a-35/10 | . . . having forced pitching or rolling equipment | [69-] |
| 65a-35/12 | . . . having ice-cutters | [69-] |
| 65a-35/14 | . . Fishing vessels (fishing 45h) | [69-] |
| 65a-35/16 | . . . Trawlers | [69-] |
| 65a-35/18 | adapted to dragging nets aboard | [69-] |
| 65a-35/20 | adapted to hoisting nets aboard | [69-] |
| 65a-35/22 | . . . Whale catchers; Whale factory vessels | [69-] |
| 65a-35/24 | . . . Fish holds | [69-] |
| 65a-35/26 | for live fish | [69-] |
| 65a-35/28 | . . Barges or lighters | [69-] |
| 65a-35/30 | . . . self-discharging | [69-] |
| 65a-35/32 | . . for collecting pollution from open water (cleaning surface of open water 84a) | [69-] |
| 65a-35/34 | . . Pontoons (pontoon bridges 19d-15/14) | [69-] |
| 65a-35/36 | . . . foldable | [69-] |
| 65a-35/38 | . . . Rigidly-interconnected pontoons | [69-] |
| 65a-35/40 | . . for transporting marine vessels | [69-] |
| 65a-35/42 | . . . with adjustable draught | [69-] |
| 65a-35/44 | . . Floating buildings, stores, drilling platforms, or workshops, e.g. carrying water-oil separating devices | [69-] |
| 65a-35/50 | . . Vessels or floating structures for aircraft (aircraft carriers 65g-11/00) | [69-] |
| 65a-35/52 | . . . Landing-nets; Slipway | [69-] |

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| 65a-35/54 | . . Ferries (propulsion of chain ferries 65h) | [69-] |
| 65a-35/56 | . . Lightships (marking of navigational route 65a-51/00) | [69-] |
| 65a-35/58 | . . Rafts | [69-] |
| 65a-35/66 | . . Tugs (towing or pushing equipment 65a-21/56) | [69-] |
| 65a-35/68 | . . . for towing | [69-] |
| 65a-35/70 | . . . for pushing | [69-] |
| 65a-35/72 | . . Other pleasure vessels | [69-] |
| 65a-39/00 | Equipment to decrease pitch, roll, or like unwanted vessel movements; Apparatus for indicating vessel attitude | [69-] |
| 65a-39/02 | . to decrease vessel movements by using weights | [69-] |
| 65a-39/04 | . to decrease vessel movements by using gyroscopes directly | [69-] |
| 65a-39/06 | . to decrease vessel movements by using foils acting on ambient water (constructional aspects of bilge keels 65a-3/44) | [69-] |
| 65a-39/08 | . to decrease vessel movements by using auxiliary jets or propellers | [69-] |
| 65a-39/10 | . to decrease vessel movements by pouring oil on water | [69-] |
| 65a-39/12 | . for indicating draught or load | [69-] |
| 65a-39/14 | . for indicating inclination or duration of roll | [69-] |
| 65a-41/00 | Drop keels, e.g. centre boards, side boards (keels integral with hull 65a-3/38; stabilising foils 65a-39/06) | [69-] |
| 65a-43/00 | Improving safety of vessels, e.g. damage control, not otherwise provided for (fire-fighting in ships 61a) | [69-] |
| 65a-43/02 | . reducing risk of capsizing or sinking (by means of watertight doors in bulkheads 65a-43/24) | [69-] |
| 65a-43/04 | . . by improving stability | [69-] |
| 65a-43/06 | . . . using ballast tanks | [69-] |
| 65a-43/08 | . . . by transfer of solid ballast | [69-] |
| 65a-43/10 | . . by improving buoyancy | [69-] |
| 65a-43/12 | . . . using inboard air containers | [69-] |
| 65a-43/14 | . . . using outboard floating members | [69-] |
| 65a-43/16 | . . . Temporary equipment for stopping leaks, e.g. collision mats | [69-] |
| 65a-43/18 | . preventing collision; reducing collision damage | [69-] |
| 65a-43/20 | . . Feelers | [69-] |
| 65a-43/24 | . Arrangements of watertight doors in bulkheads | [69-] |
| 65a-43/26 | . . of sliding type | [69-] |
| 65a-43/28 | . . . with mechanical drive | [69-] |
| 65a-43/30 | . . . with fluid drive | [69-] |
| 65a-43/32 | . . of non-sliding type | [69-] |
| 65a-45/00 | Arrangement or adaptation of signalling or lighting devices (for vehicles in general 20c-27, 21f-61/03, 63c-62) | [69-] |
| 65a-45/02 | . the devices being intended to illuminate the way ahead or other areas of environments | [69-] |
| 65a-45/04 | . the devices being intended to indicate the vessel or parts thereof | [69-] |
| 65a-45/06 | . the devices being intended to illuminate vessels' decks or interior | [69-] |
| 65a-45/08 | . the devices being acoustic | [69-] |
| 65a-49/00 | Arrangements of nautical instruments or navigational aids (nautical measuring instruments 42c; simulators for determining ship's trim, stability, bending moment 42n) | [69-] |
| 65a-51/00 | Marking of navigation route | [69-] |
| 65a-51/02 | . with buoys (buoys per se 65a-21/52); with anchored lightships; by use of lighthouses | [69-] |
| 65a-51/04 | . with free-floating flares | [69-] |
| 65a-57/00 | Tank cleaning specially adapted for vessels | [69-] |
| 65a-57/02 | . by washing | [69-] |
| 65a-57/04 | . by ventilating | [69-] |

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| 65a-59/00 | Hull protection peculiar to vessels; Cleaning devices peculiar to vessels and integral therewith | [69-] |
| 65a-59/02 | . Fenders; Rubbing-strakes (shore-borne fenders 84a) | [69-] |
| 65b | Dockning eller sjösättning av fartyg; Undervattensarbeten; Dykning; Bärgning; Livräddning till sjöss (lyftverk för fartyg 84b) | [-69] |
| | Anordningar för dockning eller sjösättning | [-69] |
| 65b-1 | Stapelbäddar; Ställningar för att bygga eller stötta fartyg | [-69] |
| 65b-2 | Sjösättning; Uppdragning; Transport med hjälp av vagnar (för sjöflygplan 62c-27/02) | [-69] |
| 65b-3 | Flytdockor; Fartyg försedda med dockor; Flygplansdockor | [-69] |
| 65b-4 | Torrdockor | [-69] |
| 65b-5 | Andra anordningar för dockning av fartyg; Dockor för provning av u-båtar | [-69] |
| 65b-6 | Utrustning för dockor | [-69] |
| | Undervattensarbeten; Dykning | [-69] |
| 65b-7 | Fartyg för undervattensarbete; Sänkbara anordningar, t.ex. dykarklockor | [-69] |
| 65b-8 | Eftergivande dykardräkter | [-69] |
| 65b-9 | Stela dykardräkter; Pansardykdräkter | [-69] |
| 65b-10 | Dykardräkter med transportabel syretillförselanordning (andningsapparater 61a-29) | [-69] |
| 65b-11 | Andra dykardräkter eller detaljer | [-69] |
| | Bärgningsväsen | [-69] |
| 65b-12 | Bärgningsfartyg med lyftkranar | [-69] |
| 65b-13 | Bärgningsfartyg med stela lyftpontoner | [-69] |
| 65b-14 | Bärgningsfartyg med uppblåsbara lyftpontoner | [-69] |
| 65b-15 | Bärgning genom lyftkraft från frusna vätskor | [-69] |
| 65b-16 | Andra förfaranden för lyftning | [-69] |
| 65b-17 | Anordningar för lyftning, t.ex. vajerföringar eller fästanordningar för vajrar | [-69] |
| 65b-18 | Utmärkning av läget för sjunkna fartyg eller andra föremål; Bojar för utmärkning | [-69] |
| 65b-19 | Uppsökning eller utmärkning av läget av vrak eller andra föremål, t.ex. genom draggning (med elektromagnetiska anordningar 21g-30/10) | [-69] |
| 65b-20 | Flottgöring av strandade fartyg | [-69] |
| | Livräddningsväsen | [-69] |
| 65b-21 | Kusträddningsväsen | [-69] |
| 65b-22 | Livbåtar | [-69] |
| 65b-23 | Flottar, t.ex. uppblåsbara (slangbåtar 65c-4) | [-69] |
| 65b-24 | Livbojar; Flytande behållare | [-69] |
| 65b-25 | Delar av fartyg avsedda för räddningsändamål; Dykarslussar; Flytande behållare för u-båtar | [-69] |
| 65b-26 | Anordningar ombord för räddningsändamål | [-69] |
| 65b-27 | Räddningsdräkter, räddningsringar e.d. med flytbara inlägg | [-69] |
| 65b-28 | Uppblåsbara räddningsdräkter, räddningsringar e.d. (flytande leksaksdjur 77a) | [-69] |
| 65b-29 | Räddningsdräkter e.d. med luftfyllda hålrum | [-69] |
| 65b-30 | Räddningsdräkter e.d. med anordningar för utfällning; Räddningsdräkter e.d. som automatiskt fylls med luft | [-69] |
| 65b-31 | Räddningsdräkter e.d. med gasfyllning | [-69] |
| 65b-32 | Räddningsdräkter e.d. med belysning | [-69] |
| 65b-33 | Andra räddningsredskap | [-69] |
| 65b | (IPC: B63C) Launching, hauling-out, or dry-docking of vessels; Life-saving in water; Equipment for dwelling or working under | |

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| | water; Means for salvaging or searching for underwater objects | [69-] |
| 65b-1/00 | Dry-docking of vessels or flying-boats (storing of vessels on land otherwise than by dry-docking 65b-15/00; mooring of vessels 65a-21/00; hydraulic-engineering aspects 84a) | [69-] |
| 65b-1/02 | . Floating decks (ship transporters with adjustable draught 65a-35/42) | [69-] |
| 65b-1/04 | . . self-docking | [69-] |
| 65b-1/06 | . . Arrangements of pumping or filling equipment for raising or lowering docks | [69-] |
| 65b-1/08 | . Graving docks | [69-] |
| 65b-1/10 | . Centring devices | [69-] |
| 65b-1/12 | . Docks adapted for special vessels, e.g. submarines | [69-] |
| 65b-3/00 | Launching or hauling-out by landborne slipways; Slipways (ship-borne guides for handling lifeboats or the like 65a-23/30; cranes, winches, or the like 35; ship-lifting for adapting to different water levels 84b) | [69-] |
| 65b-3/02 | . by longitudinal movement of vessel | [69-] |
| 65b-3/04 | . by sideways movement of vessel | [69-] |
| 65b-3/06 | . by vertical movement of vessel | [69-] |
| 65b-3/08 | . Tracks on slipways | [69-] |
| 65b-3/10 | . using releasing devices | [69-] |
| 65b-3/12 | . using cradles | [69-] |
| 65b-3/14 | . using braking means | [69-] |
| 65b-5/00 | Equipment usable both on slipways and in dry docks | [69-] |
| 65b-5/02 | . Stagings; Scaffolding; Shores or struts | [69-] |
| 65b-5/04 | . . Bilge or keel blocks | [69-] |
| 65b-7/00 | Salvaging of disabled, stranded, or sunken vessels; Salvaging of vessel parts or furnishings, e.g. of safes; Salvaging of other underwater objects | [69-] |
| 65b-7/02 | . in which the lifting is done by hauling | [69-] |
| 65b-7/04 | . . using pontoons or the like | [69-] |
| 65b-7/06 | . in which lifting action is generated in, or adjacent to, vessels or objects | [69-] |
| 65b-7/08 | . . using rigid floats | [69-] |
| 65b-7/10 | . . using inflatable floats external to vessels or objects | [69-] |
| 65b-7/12 | . . by bringing air or floating bodies or material into vessels or objects | [69-] |
| 65b-7/14 | . using freezing for closing holes or for strengthening the vessel or the like | [69-] |
| 65b-7/16 | . Apparatus engaging vessels or objects | [69-] |
| 65b-7/18 | . . using nets | [69-] |
| 65b-7/20 | . . using grabs | [69-] |
| 65b-7/22 | . . using electromagnets or suction devices | [69-] |
| 65b-7/24 | . Apparatus for passing chains or the like under vessels or objects | [69-] |
| 65b-7/26 | . Means for indicating the location of underwater objects, e.g. sunken vessels (means for searching for underwater objects 65b-11/48) | [69-] |
| 65b-7/28 | . Refloating stranded vessels | [69-] |
| 65b-7/30 | . Floatable safes | [69-] |
| 65b-9/00 | Life-saving in water (life-saving in general 61a, 62a3; rescue equipment specially adapted for submarine personnel 65g-8/40) | [69-] |
| 65b-9/02 | . Boats, rafts, or the like, specially adapted for life-saving (floatable furniture 65b-9/30; constructional features, ship-borne handling equipment 65a) | [69-] |
| 65b-9/04 | . . Rafts | [69-] |
| 65b-9/06 | . . Floatable closed containers allowing one or more persons to stay inside | [69-] |
| 65b-9/08 | . Life-buoys, e.g. rings; Life-belts, jackets, suits, or the like (swimming aids 77a-31/00) | [69-] |
| 65b-9/10 | . . using solid buoyant material | [69-] |
| 65b-9/12 | . . having gas-filled compartments | [69-] |
| 65b-9/14 | . . . filling by deployment | [69-] |
| 65b-9/16 | . . . inflatable | [69-] |
| 65b-9/18 | characterised by gas-generating device | [69-] |

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| 65b-9/20 | . . characterised by signalling means, e.g. lights, reflectors | [69-] |
| 65b-9/22 | . Devices for holding or launching life-buoys, inflatable life-rafts, or other floatable life-saving equipment (equipment for handling life-boats or the like 65a-23/00) | [69-] |
| 65b-9/24 | . Arrangements of inflating valves or of controls thereof (connecting inflating valves to elastic bodies 63e) | [69-] |
| 65b-9/26 | . Cast or life lines; Attachments thereto; Containers therefor (adaptations of aerial cableways to shipboard use 65a-27/18; guns or projectiles for line-throwing 72d-17/05) | [69-] |
| 65b-9/28 | . Adaptations of vessel parts or furnishings to life-saving purposes | [69-] |
| 65b-9/30 | . . Floatable furniture | [69-] |
| 65b-9/32 | . Equipment adapted to use on ice | [69-] |
| 65b-11/00 | Equipment for dwelling or working underwater; Means for searching for underwater objects (swim-fins 77a-31/08) | [69-] |
| 65b-11/02 | . Divers' equipment | [69-] |
| 65b-11/04 | . . Resilient suits | [69-] |
| 65b-11/06 | . . . with rigid helmet | [69-] |
| 65b-11/08 | . . . Control of air pressure within suit, e.g. for controlling buoyancy | [69-] |
| 65b-11/10 | . . Rigid suits | [69-] |
| 65b-11/12 | . . Diving masks (swimming helmets, swimming goggles 77a-33/00) | [69-] |
| 65b-11/14 | . . . with forced air supply | [69-] |
| 65b-11/16 | . . . with air supply by suction from diver, e.g. snorkels | [69-] |
| 65b-11/18 | . . Air supply (for diving masks 65b-11/14, 65b-11/16) | [69-] |
| 65b-11/20 | . . . from water surface | [69-] |
| 65b-11/22 | . . . carried by diver | [69-] |
| 65b-11/24 | in closed circulation | [69-] |
| 65b-11/26 | . . Communication means | [69-] |
| 65b-11/28 | . . Heating | [69-] |
| 65b-11/30 | . . Ballast | [69-] |
| 65b-11/32 | . . Decompression arrangements; Exercise equipment | [69-] |
| 65b-11/34 | . Movable diving chambers (caissons adapted to laying foundations 84c) | [69-] |
| 65b-11/36 | . . of closed type | [69-] |
| 65b-11/38 | . . . with entrance above water surface | [69-] |
| 65b-11/40 | . . . adapted to specific work | [69-] |
| 65b-11/42 | . . . with independent propulsion or directional control | [69-] |
| 65b-11/44 | . . of open type, e.g. diving-bells | [69-] |
| 65b-11/46 | . Divers' sleds or like craft, i.e. craft on which man in diving-suit rides | [69-] |
| 65b-11/48 | . Means for searching for underwater objects (means for indicating the location of sunken vessels 65b-7/26; echo-sounding apparatus 74d-6/15) | [69-] |
| 65b-11/50 | . . using grapnels | [69-] |
| 65b-13/00 | Equipment forming part of, or attachable to, vessels, facilitating transport over land (amphibious craft, land vehicles convertible for use on water 65a-35/72) | [69-] |
| 65b-15/00 | Storing of vessels on land otherwise than by dry-docking | [69-] |
| 65c | Båtar; Liknande farkoster, t.ex. med handdrift eller fotdrift | [-69] |
| 65c-1 | Styva båtar kännetecknade av byggnadssätt eller material (livbåtar 65b-22) | [-69] |
| 65c-2 | Hopfällbara båtar med styv bordläggning | [-69] |
| 65c-3 | Hopvikbara båtar med mjuk bordläggning | [-69] |
| 65c-4 | Slangbåtar (för räddningsändamål 65b-22; uppblåsbara flottar 65b-23) | [-69] |
| 65c-5 | Båtar i delar | [-69] |
| 65c-6 | Båtar med rörformiga eller lådformiga flottörer | [-69] |
| 65c-7 | Surfingbrädor; Simanordningar eller badanordningar som rena bärkraftsanordningar (framdrivningsanordningar vid simning 77a-14, 77a-31/00; vattenskidor 77b-16, 77b-15/00) | [-69] |
| 65c-8 | Kölar; Luftbehållare; Utliggare | [-69] |
| 65c-9 | Andra anordningar i allmänhet, t.ex. anordningar för handstyrning, suffletter eller sittanordningar | [-69] |

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|--------|--------------------------------|-------|
| 65c-10 | Rullsitsar; Glidsitsar | [-69] |
| 65c-11 | Åror | [-69] |
| 65c-12 | Klykor | [-69] |
| 65c-13 | Andra anordningar för rodd | [-69] |
| 65c-14 | Rodd i synriktningen | [-69] |
| 65c-15 | Hand- eller fotdrivanordningar | [-69] |
| 65c-16 | Cyklar på flottörer | [-69] |

65d Torpeder

| | | |
|----------|---|--|
| 65d-1 | Skrov | |
| 65d-2/01 | Djupstyrning (62b-11 – 62b-14) | |
| 65d-2/02 | Sidstyrning (62b-11 – 62b-14) | |
| 65d-3 | Fjärrstyrning (65f2-18; 21a4-48/55; 62c-29) | |
| 65d-4/01 | Mekanisk tändning (72i) | |
| 65d-4/02 | Elektrisk tändning (72i) | |
| 65d-4/03 | Kemisk tändning (72i) | |
| | Drivning av torpeder | |
| 65d-5/01 | med kolmaskiner | |
| 65d-5/02 | med turbiner | |
| 65d-5/03 | med förbränningsmotorer | |
| 65d-5/04 | med elektriska motorer | |
| 65d-5/05 | på andra sätt | |
| 65d-6 | Anordningar för utskjutning av torpeder | |
| 65d-7 | Hjälpanordningar för torpeddrift | |
| 65d-8 | Skydd mot torpeder eller u-båtar | |

65e Sjöminor

| | | |
|----------|---|-------|
| 65e-1 | Konstruktion; Utformning | |
| 65e-2 | Förankring | |
| 65e-3/01 | Mekanisk tändning (72i) | |
| 65e-3/02 | Elektrisk tändning (72i) | |
| 65e-3/03 | Kemisk tändning (72i) | |
| 65e-4 | Djupreglering; Sänkanordningar | |
| 65e-5/01 | Minspärar | |
| 65e-5/02 | Anordningar för utläggning av minor | [-69] |
| 65e-5/03 | Anordningar för sökning efter minor; Oskadliggörande av minor | [-69] |

65f1 Drivning av fartyg [-69]

Fartygsmaskiner [-69]

| | | |
|-----------|---|-------|
| 65f1-1 | Anläggningar med kolmaskiner (14a) | [-69] |
| 65f1-2 | Anläggningar med turbiner (14c-15) | [-69] |
| 65f1-2/50 | Pannanläggningar (13a) | [-69] |
| 65f1-3 | Elektrisk drivning (21c; 21d) | [-69] |
| 65f1-4 | Anläggningar med förbränningsmotorer (46) | [-69] |
| 65f1-4/10 | Båtmotorer | [-69] |
| 65f1-4/20 | Utombordsmotorer | [-69] |
| 65f1-5 | Blandad drivning | [-69] |
| 65f1-6 | Drivning med vindmotorer | [-69] |
| 65f1-6/10 | Drivning med vattenmotorer | [-69] |
| 65f1-6/20 | Drivning med luftpropellrar | [-69] |
| 65f1-6/30 | Reaktionsdrift | [-69] |

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|-------------|--|--------------|
| 65f1-6/40 | Motordrivna landfordon med flottörer e.d. | [-69] |
| 65f1-7 | Andra maskiner eller anordningar för framdrivning | [-69] |
| | Bogsering | [-69] |
| 65f1-8 | Bogserare; Pråmsläp | [-69] |
| 65f1-9 | Drivning genom frammatning på kedjor e.d. | [-69] |
| 65f1-10 | Bogsering eller förhalning från land | [-69] |
| 65f1-11 | Bogsering eller förhalning med hjälp av löpvagnar på körbana i eller över vattnet | [-69] |
| 65f1-12 | Drivorgan anordnade ombord på pråmar e.d. | [-69] |
| 65f1-13 | Lindragna färjor e.d. | [-69] |
| 65f1-14 | Bogserkrokar | [-69] |
| 65f1-15 | Detaljer, t.ex. trossar eller kedjor | [-69] |
| 65f2 | Maskinella anordningar ombord på fartyg | [-69] |
| | Hjälpmaskiner | [-69] |
| 65f2-1 | Matarvattenberedare; Evaporatorer; Förvärmare | [-69] |
| 65f2-2 | Kondensoranläggningar | [-69] |
| 65f2-3 | Ventilatorer; Forcerat drag | [-69] |
| 65f2-4 | Regulatorer för fartygsmaskiner påverkade av fartygets rörelser (allmänt 60-12) | [-69] |
| 65f2-5 | Anordningar för utsläppning av avgaser | [-69] |
| 65f2-6 | Anordningar för att hindra svängningar hos maskinanläggningar eller axlar (42c-25) | [-69] |
| 65f2-7 | Ejektorer, hissar e.d. för aska | [-69] |
| 65f2-8 | Maskintelegrafer e.d. | [-69] |
| 65f2-9 | Växlar; Kopplingar | [-69] |
| 65f2-10 | Pumpanläggningar | [-69] |
| 65f2-11 | Speciella hjälpmaskiner för ångfartyg | [-69] |
| 65f2-12 | Speciella hjälpmaskiner för motorfartyg | [-69] |
| 65f2-13 | Speciella hjälpmaskiner för u-båtar | [-69] |
| | Styrmaskiner | [-69] |
| 65f2-14 | Ångdrivna styrmaskiner | [-69] |
| 65f2-15 | Elektriska styrmaskiner | [-69] |
| 65f2-16 | Hydrauliska eller pneumatiska styrmaskiner | [-69] |
| 65f2-17 | Handstyrning | [-69] |
| 65f2-18 | Fjärrstyrning (65d-3, trådlösa sändare eller mottagare 21a4-48/51 – 21a4-48/63) | [-69] |
| 65f2-19 | Automatiska styranordningar i samband med kompasser | [-69] |
| 65f2-20 | Detaljer | [-69] |
| 65f2-21 | Rodersignalanordningar | [-69] |
| 65f3 | Propellrar e.d. | [-69] |
| | Skovelhjul | [-69] |
| 65f3-1 | Anordningar på eller i fartyget | [-69] |
| 65f3-2 | Hjul med fasta skovlar | [-69] |
| 65f3-3 | Hjul med rörliga skovlar | [-69] |
| 65f3-4 | Hjul med styrhus | [-69] |
| 65f3-4/10 | Flyttrummor som propellrar | [-69] |
| 65f3-4/20 | Drivanordningar med skovelkedjor | [-69] |
| 65f3-5 | Heckhjul | [-69] |
| | Propellrar | [-69] |
| 65f3-6 | Anordningar på eller i fartyget | [-69] |
| 65f3-7 | Svängbara propellrar; Lyft- eller sänkbara propellrar | [-69] |
| 65f3-8 | Propellerformer | [-69] |

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| 65f3-9 | Bladformer | [-69] |
| 65f3-10 | Anordning av blad | [-69] |
| 65f3-11 | Konstruktion eller framställning av blad | [-69] |
| 65f3-12 | Ställbara blad | [-69] |
| 65f3-13 | Propellrar med kragar, hylsor e.d. | [-69] |
| 65f3-14 | Ledanordningar för propellervatten (som roder 65a2-5) | [-69] |
| 65f3-15 | Anordningar för att förbättra verkningsgraden | [-69] |
| 65f3-16 | Stötpropellrar; Klaffpropellrar | [-69] |
| 65f3-17 | Fiskstjärtliknande propellrar; Jalousipropellrar | [-69] |
| 65f3-18 | Propellernav; Anordningar för infästning av blad | [-69] |
| 65f3-19 | Axelledningar; Axellager | [-69] |
| 65f3-20 | Stävrör | [-69] |
| 65f3-21 | Kopplingar | [-69] |
| 65f3-22 | Propellerskydd | [-69] |

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| 65g | (IPC: B63G) Offensive or defensive arrangements on vessels; Mine-laying; Mine-sweeping; Submarines; Aircraft carriers (means of attack or defence in general 72g) | [-69-] |
| 65g-1/00 | Arrangements of guns or missile launchers; Vessels characterised thereby (submarines 65g-8/00; guns, missile launchers 72c-16/05) | [-69-] |
| 65g-3/00 | Arrangements of ammunition stores or handlers (specially for submarines 65g-8/00); Vessels characterised thereby (general cargo aspects 65a) | [-69-] |
| 65g-3/02 | . for torpedoes | [-69-] |
| 65g-3/04 | . for missiles | [-69-] |
| 65g-3/06 | . for mines or depth charges | [-69-] |
| 65g-5/00 | Vessels characterised by adaptation to torpedo-launching (submarines 65g-8/00; torpedo-launching per se 65d-6) | [-69-] |
| 65g-6/00 | Laying of mines or depth charges; Vessels characterised thereby | [-69-] |
| 65g-7/00 | Mine-sweeping; Vessels characterised thereby | [-69-] |
| 65g-7/02 | . Mine-sweeping means; Means for destroying mines | [-69-] |
| 65g-7/04 | . . by means of cables | [-69-] |
| 65g-7/06 | . . of electromagnetic type | [-69-] |
| 65g-7/08 | . . of acoustic type | [-69-] |
| 65g-8/00 | Submarines (submarine hulls 65a-3/13; torpedoes 65d) | [-69-] |
| 65g-8/04 | . Superstructure | [-69-] |
| 65g-8/06 | . . Conning-towers | [-69-] |
| 65g-8/08 | . Propulsion (nuclear propulsion 65h-21/18; submerged exhausting apparatus 14k-7/12) | [-69-] |
| 65g-8/10 | . . using steam plant | [-69-] |
| 65g-8/12 | . . using internal-combustion engines | [-69-] |
| 65g-8/14 | . Control of attitude or depth (of torpedoes 65d-2/01, 65d-2/02) | [-69-] |
| 65g-8/16 | . . by direct use of propellers or jets | [-69-] |
| 65g-8/18 | . . by hydroplanes | [-69-] |
| 65g-8/20 | . . Steering equipment (65g-8/16 takes precedence) | [-69-] |
| 65g-8/22 | . . Adjustment of buoyancy by water ballasting; Emptying equipment for ballast tanks | [-69-] |
| 65g-8/24 | . . Automatic depth adjustment; Safety equipment for increasing buoyancy, e.g. detachable ballast, floating bodies | [-69-] |
| 65g-8/26 | . . Trimming equipment | [-69-] |
| 65g-8/28 | . Arrangement of offensive or defensive equipment | [-69-] |
| 65g-8/30 | . . of artillery or missile-launching means | [-69-] |
| 65g-8/32 | . . of torpedo-launching means (torpedo-launching means per se 65d-6); of torpedo storage | [-69-] |
| 65g-8/34 | . . Camouflage | [-69-] |

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| 65g-8/36 | . Adaptations of ventilation, cooling, heating, or air-conditioning (reconditioning air in sealed chambers 61a-29/06; air-conditioning in general 36d) | [69-] |
| 65g-8/38 | . Arrangement of visual or electronic watch equipment, e.g. of periscopes, of radar | [69-] |
| 65g-8/39 | . Arrangements of sonic watch equipment, e.g. low-frequency, sonar | [69-] |
| 65g-8/40 | . Rescue equipment for personnel (life-saving in water, not specially adapted for submarine personnel 65b) | [69-] |
| 65g-9/00 | Other offensive or defensive arrangements on vessels against submarines, torpedoes, or mines | [69-] |
| 65g-9/02 | . Means for protecting vessels against torpedo attack (armoured hulls 65a-3/10) | [69-] |
| 65g-9/04 | . . Nets or the like | [69-] |
| 65g-9/06 | . for degaussing vessels (demagnetising in general 21g-5) | [69-] |
| 65g-11/00 | Aircraft carriers (other vessels or floating structures for aircraft 65a-35/50; launching or arresting gear for aircraft 62a4) | [69-] |
| 65g-13/00 | Other offensive or defensive arrangements on vessels; Vessels characterised thereby | [69-] |
| 65h | (IPC: B63H) Marine propulsion or steering (peculiar to submarines, other than nuclear propulsion, 65g; peculiar to torpedoes 65d) | [69-] |
| 65h-1/00 | Propulsive elements directly acting on water (jet propulsion 65h-11/00) | [69-] |
| 65h-1/02 | . of rotary type (endless-track type 65h-1/34) | [69-] |
| 65h-1/04 | . . with rotation axis substantially at right angles to propulsive direction | [69-] |
| 65h-1/06 | . . . with adjustable vanes or blades | [69-] |
| 65h-1/08 | with cyclic adjustment | [69-] |
| 65h-1/10 | of Voith-Schneider type, i.e. with blades extending axially from a disc-shaped rotary body | [69-] |
| 65h-1/12 | . . with rotation axis substantially in propulsive direction | [69-] |
| 65h-1/14 | . . . Propellers (pitch changing 65h-3/00) | [69-] |
| 65h-1/16 | having a shrouding ring attached to blades | [69-] |
| 65h-1/18 | with means for diminishing cavitation, e.g. supercavitation | [69-] |
| 65h-1/20 | Hubs; Blade connections | [69-] |
| 65h-1/22 | the blades being foldable | [69-] |
| 65h-1/24 | automatically foldable or unfoldable | [69-] |
| 65h-1/26 | Blades | [69-] |
| 65h-1/28 | Other means for improving propeller efficiency (water-guiding elements formed by shape of hull 65h-5/00) | [69-] |
| 65h-1/30 | . of non-rotary type | [69-] |
| 65h-1/32 | . . Flaps, pistons, or the like, reciprocating in propulsive direction | [69-] |
| 65h-1/34 | . . of endless-track type | [69-] |
| 65h-1/36 | . . swinging sideways, e.g. fishtail type | [69-] |
| 65h-1/38 | . characterised solely by flotation properties, e.g. drums | [69-] |
| 65h-3/00 | Propeller-blade pitch changing | [69-] |
| 65h-3/02 | . actuated by control element coaxial with propeller shaft, e.g. the control element being rotary | [69-] |
| 65h-3/04 | . . the control element being reciprocatable | [69-] |
| 65h-3/06 | . characterised by use of non-mechanical actuating means, e.g. electrical | [69-] |
| 65h-3/08 | . . fluid | [69-] |
| 65h-3/10 | . characterised by having pitch control conjoint with propulsion-plant control | [69-] |
| 65h-3/12 | . characterised by being adjustable only when propeller is stationary | [69-] |
| 65h-5/00 | Arrangements on vessels of propulsion elements directly acting on water | [69-] |
| 65h-5/02 | . of paddle wheels, e.g. of stern wheels | [69-] |
| 65h-5/04 | . . with stationary water-guiding elements | [69-] |
| 65h-5/06 | . of propellers | [69-] |
| 65h-5/08 | . . of more than one propeller | [69-] |
| 65h-5/10 | . . . of coaxial type, e.g. of counter-rotative type | [69-] |

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| 65h-5/12 | . . adjustable in position or direction e.g. in combination with gearing elements peculiar thereto (for steering purposes 65h-25/42) | [69-] |
| 65h-5/14 | . . characterised by being mounted in non-rotating ducts or rings, e.g. adjustable for steering purposes (shrouding ring attached to blades 65h-1/16; jet propulsion 65h-11/00) | [69-] |
| 65h-5/16 | . . characterised by being mounted in recesses; with stationary water-guiding elements; Propeller guards | [69-] |
| 65h-5/18 | . . of emergency propellers, e.g. arranged at the side of the vessel | [69-] |
| 65h-7/00 | Arrangements of propulsive devices directly acting on air (jet propulsion 65h-11/00) | [69-] |
| 65h-7/02 | . using propellers (air-screws of aircraft type 62a2) | [69-] |
| 65h-9/00 | Propulsive devices directly acted on by wind; Arrangements thereof (air-driven propellers driving underwater propulsive elements 65h-13/00) | [69-] |
| 65h-9/02 | . using Magnus effect | [69-] |
| 65h-9/04 | . using sails or like wind-catching surfaces | [69-] |
| 65h-9/06 | . . Construction or types of sails; Arrangements thereof on vessels | [69-] |
| 65h-9/08 | . . Connections of sails to masts, spars, or the like | [69-] |
| 65h-9/10 | . . . Spars; Running rigging, e.g. reefing equipment (staying of masts 65a-15/02) | [69-] |
| 65h-11/00 | Effecting propulsion by jets, i.e. reaction principle (steering by jet action 65h-25/46; power plant per se, see the relevant classes) | [69-] |
| 65h-11/02 | . the propulsive medium being ambient water | [69-] |
| 65h-11/04 | . . by means of pumps | [69-] |
| 65h-11/06 | . . . of reciprocating type | [69-] |
| 65h-11/08 | . . . of rotary type | [69-] |
| 65h-11/10 | . . having means for deflecting jet or influencing cross-section thereof | [69-] |
| 65h-11/12 | . the propulsive medium being steam or other gas | [69-] |
| 65h-11/14 | . . the gas being produced by combustion | [69-] |
| 65h-11/16 | . . the gas being produced by other chemical processes | [69-] |
| 65h-13/00 | Effecting propulsion by wind motors driving water-engaging propulsive elements | [69-] |
| 65h-15/00 | Effecting propulsion by use of vessel-mounted driving mechanisms co-operating with anchored chains or the like | [69-] |
| 65h-16/00 | Effecting propulsion by muscle power (swimming frameworks with swimmer-operated driving mechanisms, land-based training equipment for rowing or sculling 77a-69/06) | [69-] |
| 65h-16/02 | . Movable thwarts; Foot-rests | [69-] |
| 65h-16/04 | . Oars; Sculls; Paddles; Poles | [69-] |
| 65h-16/06 | . Rowlocks; Mountings therefor | [69-] |
| 65h-16/08 | . Other apparatus for converting muscle power into propulsive effort (general features of propulsion elements, see the relevant groups) | [69-] |
| 65h-16/10 | . . for bow-facing rowing | [69-] |
| 65h-16/12 | . . using hand levers, cranks, pedals, or the like, e.g. water cycles, boats propelled by boat-mounted pedal cycles | [69-] |
| 65h-16/14 | . . . for propelled drive | [69-] |
| 65h-19/00 | Effecting propulsion of vessels, not otherwise provided for | [69-] |
| 65h-19/02 | . by using energy derived from movement of ambient water, e.g. from rolling or pitching of vessels | [69-] |
| 65h-19/04 | . . propelled by water current | [69-] |
| 65h-19/06 | . by discharging gas into ambient water (with jet action 65h-11/12; for reducing surface friction 65a-1/38) | [69-] |
| 65h-19/08 | . by direct engagement with water-bed or ground | [69-] |

65h-21/00 Use of propulsion power plant or units on vessels (hull reinforcements for carrying propulsion power plant or units 65a-3/70; propulsion power plant or units per se, see the relevant classes) **[69-]**

Note: **[69-]**
This group comprises arrangements of propulsion power plant or units on vessels, and to some extent it includes adaptations of such plant or units to facilitate such arrangements. **[69-]**

- 65h-21/02 . the vessels being steam-driven (65h-21/18 takes precedence) **[69-]**
- 65h-21/04 . . relating to positive-displacement steam engines **[69-]**
- 65h-21/06 . . relating to steam turbines **[69-]**
- 65h-21/08 . . relating to steam boilers **[69-]**
- 65h-21/10 . . relating to condensers or engine-cooling fluid heat-exchangers **[69-]**
- 65h-21/12 . the vessels being motor-driven **[69-]**
- 65h-21/14 . . relating to internal-combustion engines (of outboard type 65h-21/26) **[69-]**
- 65h-21/16 . . relating to gas turbines **[69-]**
- 65h-21/18 . the vessels being powered by nuclear energy **[69-]**
- 65h-21/20 . the vessels being powered by combinations of different types of propulsion unit **[69-]**
- 65h-21/22 . the propulsion power units being controlled from exterior of engine room, e.g. from navigation bridge; Arrangements of order telegraphs (order telegraphs per se 74c) **[69-]**
- 65h-21/24 . the vessels being small craft, e.g. racing boats **[69-]**
- 65h-21/26 . . of outboard type; Outboard propulsion power units movably installed for steering, reversing, tilting, or the like **[69-]**
- 65h-21/28 . . . Arrangements of transmission between propulsion power unit and propulsive element **[69-]**
- 65h-21/30 . Mounting of propulsion plant or unit, e.g. for anti-vibration purposes (hull reinforcements therefor 65a-3/70; vibration-dampers, suppression of vibration in systems 47a3; engine beds per se 47a2) **[69-]**
- 65h-21/32 . Arrangements of propulsion power-unit exhaust uptakes; Funnels peculiar to vessels (engine exhausts in general 14k; flue devices for furnaces in general 24g) **[69-]**
- 65h-21/34 . . having exhaust-gas deflecting means **[69-]**

65h-23/00 Transmitting power from propulsion power plant to propulsive elements (changing pitch of propellers 65h-3/00; adaptation of transmission to allow adjustment in location or direction of propellers 65h-5/12; transmission between wind motors and propulsive elements 65h-13/00; for outboard propulsion power units 65h-21/26; driving auxiliary machinery 65j; transmission elements per se 47) **[69-]**

- 65h-23/02 . with mechanical gearing **[69-]**
- 65h-23/04 . . the main transmitting element, e.g. shaft, being substantially vertical **[69-]**
- 65h-23/06 . . for transmitting drive from a single propulsion power unit **[69-]**
- 65h-23/08 . . . with provision for reversing drive **[69-]**
- 65h-23/10 . . for transmitting drive from more than one propulsion power unit (for synchronisation of propulsive elements 65h-23/28) **[69-]**
- 65h-23/12 . . . allowing combined use of the propulsion power units **[69-]**
- 65h-23/14 with unidirectional drive or where reversal is immaterial **[69-]**
- 65h-23/16 characterised by provision of reverse drive **[69-]**
- 65h-23/18 . . . for alternative use of the propulsion power units **[69-]**
- 65h-23/20 with separate forward and astern propulsion power units, e.g. turbines **[69-]**
- 65h-23/22 . with non-mechanical gearing **[69-]**
- 65h-23/24 . . electric **[69-]**
- 65h-23/26 . . fluid **[69-]**
- 65h-23/28 . with synchronisation of propulsive elements **[69-]**
- 65h-23/30 . characterised by use of clutches **[69-]**
- 65h-23/32 . Other parts **[69-]**
- 65h-23/34 . . Propeller shafts; Paddle-wheel shafts (shafts in general 47b) **[69-]**
- 65h-23/36 . . Shaft tubes (propeller-shaft tunnels 65a-11/06; shaft-tube seals per se 47f2-15/00) **[69-]**

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| 65h-25/00 | Steering; Slowing-down otherwise than by use of propulsive elements (using adjustably-mounted propeller ducts or rings for steering 65h-5/14; movably-installed outboard motors 65h-21/26) | [69-] |
| 65h-25/02 | . Initiating means for steering | [69-] |
| 65h-25/04 | . . automatic, e.g. reacting to compass | [69-] |
| 65h-25/06 | . Steering by rudders (by rudders carrying propellers 65h-25/42) | [69-] |
| 65h-25/08 | . . Steering gear | [69-] |
| 65h-25/10 | . . . with mechanical transmission | [69-] |
| 65h-25/12 | . . . with fluid transmission | [69-] |
| 65h-25/14 | . . . power assisted; power driven, i.e. using steering engine | [69-] |
| 65h-25/16 | with alternative muscle or power-operated steering | [69-] |
| 65h-25/18 | Transmitting of movement of initiating means to steering engine | [69-] |
| 65h-25/20 | by mechanical means | [69-] |
| 65h-25/22 | by fluid means | [69-] |
| 65h-25/24 | by electrical means | [69-] |
| 65h-25/26 | Steering engines (power units per se, see the relevant classes) | [69-] |
| 65h-25/28 | of fluid type | [69-] |
| 65h-25/30 | hydraulic | [69-] |
| 65h-25/32 | steam | [69-] |
| 65h-25/34 | Transmitting of movement of engine to rudder, e.g. using quadrants, brakes | [69-] |
| 65h-25/36 | . . Rudder-position indicators | [69-] |
| 65h-25/38 | . . Rudders (stern posts 65a-3/40) | [69-] |
| 65h-25/40 | . . . utilising Magnus effect | [69-] |
| 65h-25/42 | . Steering by propulsive elements (with propulsion jets 65h-25/46); Steering by propellers used for steering only; Steering by rudders carrying propellers | [69-] |
| 65h-25/44 | . Steering or slowing-down by extensible flaps or the like | [69-] |
| 65h-25/46 | . Steering by jets | [69-] |
| 65h-25/48 | . Steering or slowing-down by deflection of propeller slip-stream otherwise than by rudder | [69-] |
| 65h-25/50 | . Slowing-down means not otherwise provided for | [69-] |
| 65h-25/52 | . Parts for steering not otherwise provided for | [69-] |
| 65j | (IPC: B63J) Auxiliaries on vessels | [69-] |

Note:

The term "auxiliaries" in this subclass means only apparatus specially arranged for rendering vessels, in general, habitable or operative, in so far as such apparatus is not specifically provided for in another subclass of class 65.

[69-]

| | | |
|-----------------|---|--------------|
| 65j-1/00 | Arrangements of installations for producing fresh water, e.g. by evaporation and condensation of sea water | [69-] |
| 65j-2/00 | Arrangements of ventilation, heating, cooling, or air-conditioning (in general 36d; ventilating for cleaning tanks 65a-57/04; for submarines 65g-8/00) | [69-] |
| 65j-2/02 | . Ventilation; Air-conditioning | [69-] |
| 65j-2/04 | . . of living spaces | [69-] |
| 65j-2/06 | . . . of engine rooms | [69-] |
| 65j-2/08 | . . of holds (heating or cooling of liquid-freight-carrying tanks 65j-2/14) | [69-] |
| 65j-2/10 | . . Ventilating-shafts; Air-scoops (for port-holes 65a-19/04) | [69-] |
| 65j-2/12 | . Heating; Cooling | [69-] |
| 65j-2/14 | . . of liquid-freight-carrying tanks | [69-] |
| 65j-3/00 | Driving of auxiliaries (transmission elements per se 47) | [69-] |
| 65j-3/02 | . from propulsion power plant | [69-] |
| 65j-3/04 | . from power plant other than propulsion power plant | [69-] |
| 65j-5/00 | Vessel auxiliaries, not otherwise provided for | [69-] |