

Title (en)  
Winch for ships

Title (de)  
Winde für Schiffe

Title (fr)  
Treuil pour bateaux

Publication  
**EP 1340675 A3 20080528 (DE)**

Application  
**EP 02027882 A 20021213**

Priority  
DE 10209376 A 20020302

Abstract (en)  
[origin: EP1340675A2] The ship's capstan arrangement has a box-form foundation module to accommodate the capstan on its upper side, whilst its inner space houses a drive and gear. The foundation module is integrated in a recess in the deck structure (2) inside a dead space of the ship's construction and supported by the bearing frame (12) of a beam (14) in the deck structure, and at least in one axial direction hollow profiles (17) are formed by connected sidewalls (13) of the foundation module and beam.

IPC 8 full level  
**B63B 3/70** (2006.01); **B63B 21/16** (2006.01); **B66D 1/74** (2006.01)

CPC (source: EP KR)  
**B63B 3/70** (2013.01 - EP); **B63B 21/16** (2013.01 - EP KR); **B66D 1/7442** (2013.01 - EP)

Citation (search report)

- [A] US 4476798 A 19841016 - BACKUS GEORGE S [US]
- [A] US 3841269 A 19741015 - URRUELA J
- [A] GB 2135248 A 19840830 - BLOHM VOSS AG
- [A] US 4579073 A 19860401 - SADLER KARL-OTTO [DE], et al
- [A] EP 1002715 A2 20000524 - KAMEWA FINLAND LTD [FI]
- [A] GB 190922454 A 19100630 - ROYCE LTD, et al
- [A] FR 318730 A 19021025 - CIE DE FIVES LILLE [FR]
- [A] DE 253781 C
- [A] BE 500116 A
- [A] DE 2056069 A1 19720531
- [A] ENNGAARD, KNUD ET AL, STANDARD FLEX 300. THE TRUE MULTI-ROLE SHIP, March 1992 (1992-03-01), FREDERIKSHAVN, DK; JAERVAELLA, SE; LYSTRUP, DK, pages 1 - 15, XP002265302
- [A] "Section 28 - Equipment", AMERICAN BUREAU OF SHIPPING - RULES FOR BUILDING AND CLASSING - STEEL VESSELS, 1974, NEW YORK (NY), US, pages 172 - 182, XP007904560

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

Designated extension state (EPC)  
AL LT LV MK RO

DOCDB simple family (publication)  
**EP 1340675 A2 20030903; EP 1340675 A3 20080528; EP 1340675 B1 20110504**; AT E508038 T1 20110515; CN 100376455 C 20080326; CN 1442341 A 20030917; DE 10209376 A1 20030911; DE 50215037 D1 20110616; KR 100887100 B1 20090304; KR 20030072216 A 20030913

DOCDB simple family (application)  
**EP 02027882 A 20021213**; AT 02027882 T 20021213; CN 03106839 A 20030303; DE 10209376 A 20020302; DE 50215037 T 20021213; KR 20030001512 A 20030110