

Title (en)  
PROPELLER SHAFTS

Title (de)  
PROPELLERWELLEN

Title (fr)  
ARBRES PORTE-HELICE

Publication  
**EP 1507701 B1 20060816 (EN)**

Application  
**EP 03725902 A 20030507**

Priority  
• NO 0300149 W 20030507  
• NO 20022220 A 20020508

Abstract (en)  
[origin: WO03095302A1] The invention relates to a propeller shaft arrangement for a seagoing displacement vessel (1) with a hull (2) and a propulsion system comprising at least one engine (3), at least two propeller shafts (4) and at least two propellers (5). The vessel has a substantially horizontal base plane (6) which touches the bottom of the vessel's hull (2), and a substantially vertical centre plane (7) in the middle of the hull (2) in the hull's longitudinal direction. The propeller shafts (4) are at an angle  $\alpha$  relative to the base plane (6), with the result that the distance of the propeller shaft (4) from the base plane (6) increases in a forward direction from the propeller (5) to the engine (3), and at least one of the propeller shafts (4) is at an angle  $\beta$  relative to the centre plane (7), with the result that the distance of the propeller shaft (4) from the centre plane (7) increases in a forward direction from the propeller to the engine (3).

IPC 8 full level  
**B63H 5/08** (2006.01); **B63B 1/08** (2006.01); **B63H 23/34** (2006.01)

CPC (source: EP KR)  
**B63B 1/08** (2013.01 - KR); **B63H 5/08** (2013.01 - KR); **B63H 23/34** (2013.01 - EP KR)

Cited by  
CN105143033A

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

DOCDB simple family (publication)  
**WO 03095302 A1 20031120**; AT E336418 T1 20060915; AU 2003231429 A1 20031111; DE 60307624 D1 20060928; DE 60307624 T2 20070913; EP 1507701 A1 20050223; EP 1507701 B1 20060816; JP 2005524576 A 20050818; KR 20040106477 A 20041217; NO 20022220 D0 20020508; NO 20022220 L 20031110; NO 317226 B1 20040920

DOCDB simple family (application)  
**NO 0300149 W 20030507**; AT 03725902 T 20030507; AU 2003231429 A 20030507; DE 60307624 T 20030507; EP 03725902 A 20030507; JP 2004503341 A 20030507; KR 20047017835 A 20030507; NO 20022220 A 20020508