

Title (en)

AZIMUTH PROPELLER DRIVE UNIT HAVING A LOW MOUNTING HEIGHT FOR A FLOATING DEVICE

Title (de)

AZIMUT-PROPELLERANTRIEBSEINRICHTUNG MIT NIEDRIGER EINBAUHÖHE FÜR EINE SCHWIMMENDE EINRICHTUNG

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT D'HÉLICE AZIMUTAL À FAIBLE ENCOMBREMENT EN HAUTEUR POUR UN DISPOSITIF FLOTTANT

Publication

EP 2280862 B1 20151223 (DE)

Application

EP 09749744 A 20090513

Priority

- EP 2009055766 W 20090513
- DE 102008024540 A 20080521

Abstract (en)

[origin: WO2009141254A2] Disclosed is an azimuth propeller drive unit (1) for a floating device, comprising: - a housing (5) which is to be placed in the water, below a structure of the floating device, and inside which at least one propeller shaft (7) is rotatably mounted, at least one propeller (11) being coupled to said propeller shaft (7); - at least one electric motor (20) that has a stator (23) and a rotor (22) for driving the at least one propeller (11); - and a hollow shank (2) that secures the housing in a rotationally fixed manner. The electric motor (22) is arranged outside the housing (5) and drives a drive shaft (21) by means of the rotor (22). The drive shaft (21) is coupled to the at least one propeller shaft (7) and at least partly extends through the hollow shank (2). In order to keep the mounting height of said azimuth propeller drive unit (1) low, the electric motor (20) is designed as an electric ring motor which is annularly arranged around the drive shaft (21), and the rotor (22) of the electric motor (20) is connected in a rotationally fixed manner to the drive shaft (21) by means of a rotor support (25).

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

US 2004160141 A1 20040819 - DUBE JEAN-YVES [CA]

Cited by

EP4368494A1; WO2024100304A1

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DOCDB simple family (publication)

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