

Title (en)
Electric propulsion for boats

Title (de)
Elektro-Bootsantrieb

Title (fr)
Propulsion électrique pour bateaux

Publication
EP 1806277 A1 20070711 (DE)

Application
EP 06003966 A 20060227

Priority
DE 102006001008 A 20060105

Abstract (en)
The drive has a propeller with wing blades, where the propeller is driven by a synchronous motor whose input power is 5 kilowatt, and has a diameter between 25 and 40 centimeters. An inclination of the blades changes in a radial direction, where the inclination such as axial inclination or radial inclination, number and cross-section profile of the blades depend on torque characteristics of the motor. An independent claim is also included for a method for optimizing a boat drive.

Abstract (de)
Die Erfindung betrifft einen Bootsantrieb mit einem Synchronmotor und einem von dem Synchronmotor angetriebenen Propeller mit Flügelblättern, wobei sich die Steigung der Flügelblätter des Propellers in radialer Richtung ändert.

IPC 8 full level
B63H 1/14 (2006.01); **B63H 1/26** (2006.01); **B63H 21/17** (2006.01)

CPC (source: EP)
B63H 1/14 (2013.01); **B63H 1/26** (2013.01); **B63H 21/17** (2013.01)

Citation (search report)
• [Y] US 6231407 B1 20010515 - HEIN PETER [DE], et al
• [Y] DE 2934348 A1 19800320 - LEHMANN RAOUL [FI], et al
• [Y] DE 4226637 A1 19940217 - SCHNEEKLUTH HERBERT [DE]
• [Y] US 5352093 A 19941004 - HANNON R DOUGLAS [US], et al

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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