

Title (en)

DRIVE ARRANGEMENT FOR AN INBOARD-OUTBOARD DRIVE ENGINE OF A WATERCRAFT

Title (de)

ANTRIEBSANORDNUNG FÜR EINE INNENBORD-AUßENBORD-ANTRIEBSMASCHINE EINES WASSERFAHRZEUGS

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT POUR UN MOTEUR D'ENTRAÎNEMENT IN-BORD/HORS-BORD D'UN VÉHICULE MARIN

Publication

EP 2398703 B1 20140430 (DE)

Application

EP 10704546 A 20100211

Priority

- EP 2010051700 W 20100211
- DE 102009000996 A 20090218

Abstract (en)

[origin: WO2010094614A2] The invention relates to a drive arrangement for an inboard-outboard drive engine of a watercraft, comprising a drive unit (2) having an upper part (3) arranged in the hull (1) of the water craft, and a lower part (4) protruding through a sealed opening in the hull (1) into the surrounding water. A drive train is guided inside the drive unit (2), by which means at least one screw provided on the lower part (4) can be driven by a motor arranged in the region of the upper part (3). The upper part (3) is also in contact with a carrier system supporting reaction forces and torques applied to the drive unit (2) in longitudinal, transversal and vertical directions during the operation of the watercraft, in relation to the hull (1), using a plurality of supporting units (12A-12D).

IPC 8 full level

B63H 21/30 (2006.01)

CPC (source: EP US)

B63H 21/30 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009000996 A1 20100819; AU 2010215635 A1 20110804; AU 2010215635 B2 20141030; CN 102325696 A 20120118; CN 102325696 B 20140423; EP 2398703 A2 20111228; EP 2398703 B1 20140430; JP 2012517939 A 20120809; JP 5651130 B2 20150107; US 2011294378 A1 20111201; US 8469755 B2 20130625; WO 2010094614 A2 20100826; WO 2010094614 A3 20101014

DOCDB simple family (application)

DE 102009000996 A 20090218; AU 2010215635 A 20100211; CN 201080008403 A 20100211; EP 10704546 A 20100211; EP 2010051700 W 20100211; JP 2011550526 A 20100211; US 201013130332 A 20100211