

Title (en)

MARINE ENGINE ASSEMBLY INCLUDING A POD MOUNTABLE UNDER A SHIP'S HULL

Title (de)

SCHIFFSMOTORANORDNUNG MIT EINER UNTER EINEM SCHIFFSRUMPF BEFESTIGBAREN GONDEL

Title (fr)

ENSEMBLE DE PROPULSION POUR NAVIRE, COMPRENANT UNE NACELLE DESTINEE A UNE INSTALLATION SOUS LA CARENE DU NAVIRE

Publication

EP 1755942 A1 20070228 (FR)

Application

EP 05746629 A 20050426

Priority

- FR 2005050280 W 20050426
- FR 0450842 A 20040430

Abstract (en)

[origin: WO2005110840A1] An engine assembly (1, 1', 1) including at least one pod (2) connected to a supporting leg (3, 3', 3), a propeller (4) with at least two blades (14) located at the back of the pod, and an arrangement of at least three flow-directing fins (50-55, 3'A) attached to the pod (2). The fin arrangement forms a ring (5) substantially perpendicular to the longitudinal axis (X) of the pod (2), which ring is within an area (Zx) located between the central portion of the supporting leg (3, 3', 3) and the propeller. The assembly further includes a nozzle (6) around all or part of the propeller and said ring (5). The blades (14) each have one end of which one edge (7) is flush with the inner wall of the nozzle (6) so that the propeller (4) acts as the impeller of an axial-flow pump.

IPC 8 full level

B63H 5/14 (2006.01); **B63H 5/125** (2006.01)

CPC (source: EP KR NO US)

B63H 5/07 (2013.01 - KR); **B63H 5/14** (2013.01 - EP KR NO US); **B63H 5/125** (2013.01 - EP US); **B63H 2005/1258** (2013.01 - EP US)

Citation (search report)

See references of WO 2005110840A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

HR

DOCDB simple family (publication)

WO 2005110840 A1 20051124; AT E370884 T1 20070915; CN 100471755 C 20090325; CN 1960909 A 20070509; CY 1107016 T1 20120926; DE 602005002143 D1 20071004; DE 602005002143 T2 20080515; DK 1755942 T3 20071217; EP 1755942 A1 20070228; EP 1755942 B1 20070822; ES 2292138 T3 20080301; FR 2869586 A1 20051104; FR 2869586 B1 20060616; HR P20070491 T3 20071231; JP 2007535440 A 20071206; JP 4753936 B2 20110824; KR 101205683 B1 20121127; KR 20070005015 A 20070109; NO 20065467 L 20070130; NO 337466 B1 20160418; PL 1755942 T3 20080229; PT 1755942 E 20071106; RU 2006141597 A 20080610; RU 2372246 C2 20091110; SI 1755942 T1 20080430; US 2008194155 A1 20080814; US 8435089 B2 20130507

DOCDB simple family (application)

FR 2005050280 W 20050426; AT 05746629 T 20050426; CN 200580017700 A 20050426; CY 071101492 T 20071121; DE 602005002143 T 20050426; DK 05746629 T 20050426; EP 05746629 A 20050426; ES 05746629 T 20050426; FR 0450842 A 20040430; HR P20070491 T 20071023; JP 2007510090 A 20050426; KR 20067025204 A 20050426; NO 20065467 A 20061129; PL 05746629 T 20050426; PT 05746629 T 20050426; RU 2006141597 A 20050426; SI 200530097 T 20050426; US 58786307 A 20070726