

Title (en)

Marine vehicle with thrust boosting device

Title (de)

Wasserfahrzeug mit Schubverstärkungsvorrichtung

Title (fr)

Véhicule marin avec dispositif d'amplification de poussée

Publication

EP 2641827 A2 20130925 (EN)

Application

EP 13160413 A 20130321

Priority

TW 101110112 A 20120323

Abstract (en)

A marine vehicle (200) includes a hull (210), a propeller (201), and a thrust boosting device (2) mounted to the hull (210) and disposed forwardly of the propeller (201). The thrust boosting device (2) includes first, second and third fin members (21, 22, 23) extending radially with respect to a rotational axis (L) of the propeller (201). The first, second and third fin members (21, 22, 23) form first, second and third angles (\angle_1 , \angle_2 , \angle_3) with a reference line (S) that extends upwardly from and that is perpendicular to the rotational axis (L), respectively. The first angle (\angle_1) ranges between 70 and 110°, the second angle (\angle_2) ranges between 225° and 255°, and the third angle (\angle_3) ranges between 285° and 315°.

IPC 8 full level

B63H 5/16 (2006.01)

CPC (source: EP KR)

B63B 1/32 (2013.01 - KR); **B63H 5/16** (2013.01 - EP KR)

Citation (applicant)

CN 1048461 A 19910109 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by

CN106184607A; CN104828226A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2641827 A2 20130925; **EP 2641827 A3 20170524**; JP 2013199272 A 20131003; KR 20130108142 A 20131002; TW 201339052 A 20131001; TW I488772 B 20150621

DOCDB simple family (application)

EP 13160413 A 20130321; JP 2013060658 A 20130322; KR 20130029224 A 20130319; TW 101110112 A 20120323