

Title (en)
Improved outboard motor unit

Title (de)
Verbesserte Außenbordmotoreinheit

Title (fr)
Unité de moteur hors-bord améliorée

Publication
EP 3006326 A1 20160413 (EN)

Application
EP 14188493 A 20141010

Priority
EP 14188493 A 20141010

Abstract (en)
An outboard motor unit comprising a containment casing (4) housing in its interior a motor (10), disposed with its axis at an angle to the rotation shaft (32) of a propeller (24), and operatively connected to this latter by transmission means (22, 36, 36'), the lower portion (16) of said containment casing housing said propeller and being of tapering profile, wherein inside said containment casing, a cooling circuit is provided for said motor, comprising: - an aperture (30) for the entry, into said circuit, of the water in which the motor unit is immersed, said aperture being defined at the tip of the tapering profile of said lower portion and axially facing and aligned with said shaft of the propeller; - an impeller (40) connected directly to said shaft of the propeller such that said rotation shaft of said propeller coincides with, and is aligned with, that of said impeller, and acting in the sense of feeding the water which has entered said circuit to a delivery conduit for cooling said motor; - at least one aperture for the exit of the water after it has cooled said motor.

IPC 8 full level
B63H 20/28 (2006.01); **F01P 3/20** (2006.01)

CPC (source: EP)
B63H 20/28 (2013.01); **B63H 21/17** (2013.01); **F01P 3/202** (2013.01)

Citation (applicant)
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• US 4832635 A 19890523 - MCCORMICK DANIEL F [US]
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Citation (search report)
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• [YA] JP 2005162055 A 20050623 - SUZUKI MOTOR CO
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SE2251034A1; FR3144231A1; WO2024132594A1

Designated contracting state (EPC)
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