

Title (en)

Device for counteracting hub vortex cavitation of propellers and/or marine propulsion units

Title (de)

Vorrichtung zur Entgegenwirkung von im Nabenbereich von Propellern und/oder Propellerantrieben im umgebenden Fluid erzeugten Strömungswirbeln

Title (fr)

Dispositif pour contrebalancer la cavitation tourbillonnaire du moyeu des hélices et/ou des unités de propulsion

Publication

EP 1306301 B1 20061220 (DE)

Application

EP 02090313 A 20020904

Priority

DE 10152977 A 20011026

Abstract (en)

[origin: EP1306301A1] The camber on a propeller blade (12) acts in the opposite direction to the camber on the propeller. The propeller blade spreads from a conical transitional part (9) over a cylindrical hub part (10) to again a conical divergent end part (11). The outer end part of the propeller blade is formed by a cylindrical outer casing (13) equaling 10 to 50 percent of the length of the propeller blade's surface area.

IPC 8 full level

B63H 1/18 (2006.01); **B63H 1/28** (2006.01)

CPC (source: EP)

B63H 1/18 (2013.01); **B63H 1/28** (2013.01); **B63H 2001/283** (2013.01)

Cited by

CN103803040A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1306301 A1 20030502; **EP 1306301 B1 20061220**; AT E348752 T1 20070115; DE 10152977 C1 20030508; DE 50208997 D1 20070201; DK 1306301 T3 20070410; ES 2276888 T3 20070701; NO 20025144 D0 20021025; NO 20025144 L 20030428; NO 336514 B1 20150914; PT 1306301 E 20070228

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EP 02090313 A 20020904; AT 02090313 T 20020904; DE 10152977 A 20011026; DE 50208997 T 20020904; DK 02090313 T 20020904; ES 02090313 T 20020904; NO 20025144 A 20021025; PT 02090313 T 20020904