

Title (en)
MARINE PROPELLER

Title (de)
SCHIFFSPROPELLER

Title (fr)
HÉLICE MARINE

Publication
EP 2826706 A4 20160406 (EN)

Application
EP 13761536 A 20130314

Priority
• JP 2012057214 A 20120314
• JP 2013057107 W 20130314

Abstract (en)
[origin: EP2826706A1] Provided is a marine propeller that strikes a favorable balance between suppressing cavitation at a blade tip and avoiding stress concentration in a propeller blade. Two inflection points are provided in a rake distribution of a propeller blade (10) of a marine propeller, where a portion from a blade root section (11) to the first inflection point (12) has a backward rake and a portion from the first inflection point (12) to the second inflection point (13) has a forward rake. The portion from the second inflection point (13) to a blade tip (14) has zero rake so as to be orthogonal to the propeller shaft line A-A. The first inflection point (12) is preferably at a position that is 40 to 60% of the propeller radius, and the second inflection point (13) is preferably at a position that is 80 to 95% of the propeller radius.

IPC 8 full level
B63H 1/26 (2006.01); **B63H 1/18** (2006.01)

CPC (source: EP)
B63H 1/18 (2013.01); **B63H 1/26** (2013.01)

Citation (search report)
• [A] US 3514215 A 19700526 - WILLIAMS PAUL E
• [A] US 1826026 A 19311006 - ARVID RUDEBERG
• See references of WO 2013137363A1

Cited by
CN106672184A

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

DOCDB simple family (publication)
EP 2826706 A1 20150121; EP 2826706 A4 20160406; EP 2826706 B1 20170419; JP 2013189100 A 20130926; JP 5265034 B1 20130814; WO 2013137363 A1 20130919

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