

Title (en)
MARINE PROPELLER

Title (de)
SCHIFFSPROPELLER

Title (fr)
HÉLICE MARINE

Publication
EP 2826706 B1 20170419 (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)

Cited by
CN106672184A

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DOCDB simple family (publication)
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