

Title (en)
Ducted propeller for ships

Title (de)
Düsenpropeller für Schiffe

Title (fr)
Hélice à réaction pour bateaux

Publication
EP 2277772 B1 20120523 (DE)

Application
EP 10170015 A 20100719

Priority
DE 202009009899 U 20090723

Abstract (en)
[origin: EP2277772A1] The propeller (100) has a shaft axle (11) supported on a shaft bearing (13), and multiple tail fins forming an asymmetric fin-system. Each tail fin forms a stator attached to an inner wall surface of a fixed nozzle (10) at an end and attached to the shaft bearing at another end. The fin-system is asymmetrically arranged in an inner chamber of the nozzle, such that individual tail fins are different in length. A section (14a) of each tail fin extends into the inner chamber of the nozzle, and another section (14b) of each tail fin projects from an outer region of the nozzle.

IPC 8 full level
B63H 5/14 (2006.01)

CPC (source: EP)
B63H 5/08 (2013.01); **B63H 5/14** (2013.01); **B63H 5/15** (2013.01)

Cited by
WO2023215921A1; US9789943B2

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 202009009899 U1 20101202; CN 101962071 A 20110202; EP 2277772 A1 20110126; EP 2277772 B1 20120523; ES 2388584 T3 20121016; JP 2011025918 A 20110210; KR 101421319 B1 20140718; KR 20110010079 A 20110131; PL 2277772 T3 20121031; SG 168500 A1 20110228

DOCDB simple family (application)
DE 202009009899 U 20090723; CN 201010234987 A 20100723; EP 10170015 A 20100719; ES 10170015 T 20100719; JP 2010162950 A 20100720; KR 20100071482 A 20100723; PL 10170015 T 20100719; SG 2010053460 A 20100723