

Title (en)
PIVOTABLE PROPELLER NOZZLE FOR A WATERCRAFT

Title (de)
SCHWENKBARE PROPELLERDÜSE FÜR WASSERFAHRZEUGE

Title (fr)
TUYÈRE D'ÉLICE PIVOTANTE POUR NAVIRES

Publication
EP 2427369 B1 20190918 (DE)

Application
EP 11705207 A 20110222

Priority
• EP 2011052599 W 20110222
• DE 102010029430 A 20100528
• DE 102010002213 A 20100222

Abstract (en)
[origin: CA2766929A1] In order to achieve a connection between a nozzle shaft (20) and a nozzle ring (10) that has the simplest design possible, while at the same time being stable, in a propeller nozzle (100) for a watercraft which comprises a fixed propeller (30) and a nozzle ring (10) surrounding the propeller (30), said nozzle ring being pivotable by means of a nozzle shaft (20), the nozzle shaft (20) is designed as a hollow body.

IPC 8 full level
B63H 5/14 (2006.01)

CPC (source: EP KR US)
B63H 5/14 (2013.01 - KR); **B63H 5/15** (2013.01 - EP US); **B63H 25/34** (2013.01 - EP US); **B63B 3/40** (2013.01 - EP US);
B63H 25/46 (2013.01 - EP US)

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)
DE 102010029430 A1 20110825; BR 112012000442 A2 20170606; CA 2766929 A1 20110825; CA 2766929 C 20150428;
CN 102470913 A 20120523; CN 102470913 B 20160824; DE 102010002213 A1 20111006; EP 2427369 A1 20120314;
EP 2427369 B1 20190918; ES 2759780 T3 20200512; HR P20191832 T1 20191227; JP 2013520346 A 20130606; JP 5596181 B2 20140924;
KR 101879522 B1 20180817; KR 20120129753 A 20121128; KR 20160102576 A 20160830; PL 2427369 T3 20200430; SG 177299 A1 20120228;
US 2012308382 A1 20121206; US 9011088 B2 20150421; WO 2011101489 A1 20110825; WO 2011101489 A4 20111020

DOCDB simple family (application)
DE 102010029430 A 20100528; BR 112012000442 A 20110222; CA 2766929 A 20110222; CN 201180002766 A 20110222;
DE 102010002213 A 20100222; EP 11705207 A 20110222; EP 2011052599 W 20110222; ES 11705207 T 20110222;
HR P20191832 T 20191010; JP 2012553348 A 20110222; KR 20117030371 A 20110222; KR 20167022598 A 20110222;
PL 11705207 T 20110222; SG 2011094463 A 20110222; US 201113378435 A 20110222