

Title (en)

MARINE DUCTED PROPELLER JET PROPULSION SYSTEM

Title (de)

STRAHLANTRIEBSSYSTEM MIT EINEM DÜSENPROPELLER FÜR WASSERFAHRZEUGE

Title (fr)

SYSTÈME MARIN DE PROPULSION PAR RÉACTION À HÉLICE CARÉNÉE

Publication

**EP 2969741 A4 20170208 (EN)**

Application

**EP 14764267 A 20140317**

Priority

- US 201361799274 P 20130315
- US 2014030864 W 20140317

Abstract (en)

[origin: WO2014145997A1] A jet propulsion unit for a marine vessel that comprises a diffuser/confusor; a steering control nozzle assembly; and a radius. The radius is introduced at a transition point between the diffuser/confusor and steering control nozzle assembly so that the diffuser/confusor can control a shape of water flow exiting the propulsion unit and can control corresponding acceleration over a large pressure differential presented by a wide range of vessel speeds, maneuvers and sea conditions.

IPC 8 full level

**B63H 11/08** (2006.01); **B63H 11/113** (2006.01); **B63H 11/117** (2006.01); **F01N 3/00** (2006.01)

CPC (source: EP IL KR RU US)

**A47L 13/14** (2013.01 - IL); **B63H 11/08** (2013.01 - EP IL KR RU US); **B63H 11/113** (2013.01 - EP IL KR US); **F01N 3/00** (2013.01 - EP IL US); **B63H 2011/081** (2013.01 - EP IL KR US); **F01N 2590/022** (2013.01 - EP IL US); **Y02T 10/12** (2013.01 - EP IL US); **Y02T 70/50** (2013.01 - IL KR)

Citation (search report)

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- See also references of WO 2014145997A1

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)

**WO 2014145997 A1 20140918; WO 2014145997 A4 20150108;** AU 2014232319 A1 20151001; AU 2014232319 B2 20180308; AU 2018201055 A1 20180308; AU 2019275542 A1 20200102; AU 2019275545 A1 20200102; AU 2022200524 A1 20220217; AU 2022200524 B2 20240606; CA 2906929 A1 20140918; CA 2906929 C 20221101; CA 3170077 A1 20140918; CN 105339259 A 20160217; CN 111776184 A 20201016; CN 111776184 B 20221104; EP 2969741 A1 20160120; EP 2969741 A4 20170208; EP 3708480 A1 20200916; EP 3708480 B1 20220518; IL 241386 A0 20151130; IL 241386 B 20210531; IL 283249 A 20210729; IL 283249 B1 20230901; IL 283249 B2 20240101; JP 2016513602 A 20160516; JP 2020114732 A 20200730; JP 2023053982 A 20230413; KR 102378872 B1 20220328; KR 20160025492 A 20160308; KR 20210005749 A 20210114; KR 20220042245 A 20220404; KR 20230128153 A 20230901; MX 2015012524 A 20160415; MX 2022007386 A 20220713; MY 177926 A 20200928; NZ 712041 A 20180525; RU 2015143082 A 20170426; RU 2666983 C2 20180913; SG 11201507518T A 20151029; US 2016031540 A1 20160204; ZA 201507024 B 20170326

DOCDB simple family (application)

**US 2014030864 W 20140317;** AU 2014232319 A 20140317; AU 2018201055 A 20180213; AU 2019275542 A 20191203; AU 2019275545 A 20191203; AU 2022200524 A 20220127; CA 2906929 A 20140317; CA 3170077 A 20140317; CN 201480027937 A 20140317; CN 202010685612 A 20140317; EP 14764267 A 20140317; EP 19214589 A 20140317; IL 24138615 A 20150909; IL 28324921 A 20210518; JP 2016502576 A 20140317; JP 2020049403 A 20200319; JP 2023010577 A 20230127; KR 20157029672 A 20140317; KR 20217000219 A 20140317; KR 20227009433 A 20140317; KR 20237028564 A 20140317; MX 2015012524 A 20140317; MX 2022007386 A 20150911; MY PI2015703217 A 20140317; NZ 71204114 A 20140317; RU 2015143082 A 20140317; SG 11201507518T A 20140317; US 201414776989 A 20140317; ZA 201507024 A 20150921