

Title (en)

HIGH SPEED SURFACE CRAFT AND SUBMERSIBLE CRAFT

Title (de)

HOCHGESCHWINDIGKEITS-ÜBERWASSERFAHRZEUG UND TAUCHFÄHIGES FAHRZEUG

Title (fr)

EMBARCATION DE SURFACE ET EMBARCATION SUBMERSIBLE À GRANDE VITESSE

Publication

EP 3019396 A4 20170315 (EN)

Application

EP 14840676 A 20140710

Priority

- US 201361844767 P 20130710
- US 201361876829 P 20130912
- US 201414231887 A 20140401
- US 2014046102 W 20140710

Abstract (en)

[origin: WO2015030938A2] A marine vessel comprising: at least one buoyant tubular foil; and at least one baffle plate positioned about the perimeter of the at least one buoyant tubular foil so as to protrude into the flow of water passing by the perimeter of the at least one buoyant tubular foil, whereby to create a high-pressure zone fore of the at least one baffle plate and a low-pressure zone immediately aft of the at least one baffle plate, whereby to create a dense stream of supercavitated water immediately aft of the at least one baffle plate. A marine vessel comprising: at least one buoyant tubular foil; at least one venturi injection ring positioned adjacent to the perimeter of the at least one buoyant tubular foil so as to create a passageway between the at least one venturi injection ring and the perimeter of the at least one buoyant tubular foil, wherein the passageway is characterized by a fore opening, an aft opening, and an intermediate opening disposed between the fore opening and the aft opening, and wherein the intermediate opening is smaller than the fore opening and the aft opening; at least one fluid opening formed in the perimeter of the at least one buoyant tubular foil adjacent to at least one of the intermediate opening and the aft opening; and at least one passageway connecting the at least one fluid opening to a source of fluid.

IPC 8 full level

B63H 21/20 (2006.01); **B63G 8/40** (2006.01)

CPC (source: EP)

B63B 1/107 (2013.01); **B63H 1/18** (2013.01); **B63B 2001/382** (2013.01); **B63H 2001/286** (2013.01); **B63H 2005/005** (2013.01); **Y02T 70/10** (2013.01)

Citation (search report)

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- [Y] US 6684801 B1 20040203 - KUKLINSKI ROBERT [US]
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- See references of WO 2015030938A2

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 2015030938 A2 20150305; WO 2015030938 A3 20150430; AU 2014311819 A1 20160218; EP 3019396 A2 20160518; EP 3019396 A4 20170315; IL 243575 A0 20160229; JP 2016523769 A 20160812; KR 20160031504 A 20160322

DOCDB simple family (application)

US 2014046102 W 20140710; AU 2014311819 A 20140710; EP 14840676 A 20140710; IL 24357516 A 20160110; JP 2016525479 A 20140710; KR 20167003177 A 20140710