

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

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- 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.

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Citation (search report)

- [XAY] WO 2012135718 A1 20121004 - JULIET MARINE SYSTEMS INC [US], et al
- [Y] US 6684801 B1 20040203 - KUKLINSKI ROBERT [US]
- [Y] KR 101195773 B1 20121105 & EP 2662658 A2 20131113 - AGENCY DEFENSE DEV [KR]
- [YA] US 2010236466 A1 20100923 - COSTAS DAN NICOLAUS [US]
- [A] US 2002152947 A1 20021024 - HILLEMANN TERRY B [US]
- See references of WO 2015030938A2

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