

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

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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.

IPC 8 full level

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