

Title (en)
A PROPULSION ASSEMBLY FOR A MARINE VESSEL

Title (de)
ANTRIEBSANORDNUNG FÜR EIN WASSERFAHRZEUG

Title (fr)
ENSEMBLE DE PROPULSION POUR UN NAVIRE MARIN

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Application
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Abstract (en)
[origin: WO2022188988A1] Invention relates to a thruster assembly (10) for a marine vessel (1) comprising a body (12) comprising a duct (20) having a longitudinal axis (L), and a first end (20.1) and a second end (20.2), a support structure (14) for a propeller (16) comprising a propeller shaft (18) at a centre line of the duct (20), a propeller (16), positioned into the duct (20) and being attached to the propeller shaft (18), wherein the propeller (16) comprising at least three blades (22) and a boss (24) which is supported to the shaft (18), and further a circular rim (26) to which radial ends (22') of the propeller blades are attached, wherein a circumferential slot (28) is provided, opening inside the duct between the first end (20.1) and the second end (20.2), into which slot the circular rim (26) is arranged to extend radially, and at least one gas inlet (30) arranged to open into the slot (28). Invention relates also to a transverse tunnel thruster and a steerable azimuthing thruster provided with the thruster assembly.

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