

Title (en)

PROPELLER PUMP-TYPE HYDRAULIC PROPULSION DEVICE AND VESSEL EQUIPPED WITH SUCH A DEVICE

Title (de)

HYDRAULISCHE ANTRIEBSVORRICHTUNG VOM PROPELLERPUMPENTYP UND SCHIFF MIT EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE PROPULSION HYDRAULIQUE DE TYPE À POMPE À HÉLICE ET NAVIRE ÉQUIPÉ DUDIT DISPOSITIF

Publication

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Application

EP 18789211 A 20180629

Priority

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Abstract (en)

[origin: WO2019002951A1] This invention relates to a hydraulic propulsion device of the propeller pump type (referred to throughout as a "propeller pump-type hydraulic propulsion device") especially for vessels as well as any vessels equipped with such a device. According to the invention, this propeller pump-type hydraulic propulsion device (3) is characteristic in that it comprises two stators (12) located in the hollow body (6) on either side of the hub (9) and the blades (10) of the rotor (8), each stator (12), composed of at least two fixed radial mounts (14) for maintaining the rotor (8) within the hollow body (6) and which are profiled to form fins and at least two flaps (20) positioned relative to the hydraulic rotor's (8) blades (10) and extending along the edges of the two fixed radial mounts (14), where the pivoting of these flaps (20) is able to be controlled. The invention is particularly applicable to surface vessels and immersed vessels.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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