

Title (en)
SHIP PROPULSION SYSTEM FOR WATERCRAFT

Title (de)
SCHIFFSANTRIEB FÜR EIN WASSERFAHRZEUG

Title (fr)
PROPULSION DE BATEAU

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Application
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Abstract (en)
[origin: WO2010025987A2] The invention relates to a ship propulsion system (1) for watercraft, comprising at least one propeller (2; 2a, 2b), by means of which a drive force can be created for the watercraft. The ship propulsion (1) further comprises an electric motor (6; 6a, 6b), the rotor of which is directly mechanically coupled to the at least one propeller (2; 2a, 2b) via a shaft (7) such that the at least one propeller (2; 2a, 2b) may be brought into a respective rotating movement by means of a rotation of the rotor. In order to cool the rotor of the electric motor (6; 6a, 6b) the invention provides a thermosiphon disposed in the shaft (7), wherein the propeller (2; 2a, 2b) serves as a heat sink for a working medium of the thermosiphon.

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