

Title (en)

STEERING SYSTEM, AZIMUTHING PROPULSION SYSTEM, AND METHOD FOR ABSORBING HEAT

Title (de)

LENKSYSTEM, RUNDUM STEUERBARES ANTRIEBSSYSTEM UND VERFAHREN ZUR WÄRMEAUFNAHME

Title (fr)

SYSTÈME DE DIRECTION, SYSTÈME DE PROPULSION ORIENTABLE EN AZIMUT, ET PROCÉDÉ D'ABSORPTION DE CHALEUR

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Application

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Abstract (en)

[origin: WO2017144767A1] According to an example aspect of the present invention, there is provided a steering system (30) of an azimuthing propulsion system (1), the steering system (30) comprising at least one hydraulic motor (2) configured to operate an azimuthing system of a propulsion unit (3), the propulsion unit (3) being arranged outside a vessel, a fluid cycle (4) from the at least one hydraulic motor (2) via a separate hydraulic overload protection unit and back to the motor (2), the overload protection unit comprises a pressure relief unit and a heat management unit, and wherein the pressure relief unit comprises a pressure relief valve (5), and the heat management unit comprises a heat storage, a heat exchanger, or a combination of both, and wherein the fluid cycle (4) comprising the overload protection unit (32) is configured to at least partially absorb heat generated during turning of the propulsion unit (3).

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