

Title (en)
RUDDER PROPELLER DRIVE, AND RUDDER PROPELLER DRIVING METHOD

Title (de)
RUDERPROPELLERANTRIEB UND RUDERPROPELLERANTRIEBSVERFAHREN

Title (fr)
BLOC MOTEUR A HELICE DE GOUVERNAIL ET PROCEDE PERMETTANT SON FONCTIONNEMENT

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Abstract (en)
[origin: WO2008145114A2] The invention relates to a rudder propeller drive comprising a driving motor, the output shaft of which can be effectively connected to a shaft of a propeller by means of a drive train. The propeller shaft is accommodated in a rudder propeller housing that can be mounted outside a hull, while the propeller on the propeller shaft is located outside the rudder propeller housing. A lubricating and/or cooling device is provided for the propeller shaft and/or for drive train areas mounted in front of the propeller shaft. The drive train encompasses a hydrodynamic clutch or a hydrodynamic torque converter which is combined with or integrated into the lubricating and/or cooling device in such a way that the hydrodynamic clutch or the hydrodynamic torque converter and the lubricating and/or cooling device use a joint amount of functional fluid. The invention further relates to a rudder propeller driving method in which an output shaft of a driving motor is effectively connected to a shaft of a propeller by means of a drive train, said propeller shaft being accommodated in a rudder propeller housing located outside a hull. The propeller on the propeller shaft is located outside the rudder propeller housing. The propeller shaft and/or drive train areas mounted in front of the propeller shaft is/are lubricated and/or cooled using a functional fluid. The drive train encompasses a hydrodynamic clutch or a hydrodynamic torque converter to which functional fluid is fed that is part of the same amount of functional fluid used for lubricating and/or cooling the propeller shaft and/or drive train areas mounted in front of the propeller shaft.

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