

Title (en)

STEERING UNIT FOR A STEER-BY-WIRE SHIP'S CONTROL SYSTEM AND METHOD FOR OPERATING THE STEERING UNIT

Title (de)

LENKEINHEIT FÜR EIN STEER-BY-WIRE SCHIFFSTEUERSYSTEM UND VERFAHREN ZUM BETREIBEN DER LENKEINHEIT

Title (fr)

UNITE DE DIRECTION POUR UN SYSTEME DE PILOTAGE DE NAVIRE STEER-BY-WIRE (PILOTAGE PAR CABLE) ET PROCEDE DE FONCTIONNEMENT DE L'UNITE DE DIRECTION

Publication

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Application

EP 08837861 A 20080926

Priority

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- DE 102007048077 A 20071005

Abstract (en)

[origin: WO2009047134A2] The invention relates to a steering unit (1) for a steer-by-wire ship's control system, comprising a control rudder (3), a controller (11) that is connected to the electronic controller of the ship's control system (ECU) via a CAN bus, a sensor (10) for detecting the angular position of the control rudder (3) and a unit for generating mechanical resistance in the control rudder (3). In said steering unit, the unit for generating mechanical resistance in the control rudder (3) is designed as an electric motor (8) and the shaft (2) of the control rudder (3) that is rotationally fixed to said control rudder (3) is rotationally fixed to the rotor (7) of the electric motor (6) and the stator (8) of the electric motor (6) is rotationally fixed to the housing (5) of the electric motor (6).

IPC 8 full level

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