

Title (en)

DRIVE SYSTEM FOR A WATERCRAFT THAT CAN BE MOVED BY MUSCLE POWER, AND METHOD FOR CONTROLLING A DRIVE SYSTEM

Title (de)

ANTRIEBSSYSTEM FÜR EIN MIT MUSKELKRAFT FORTBEWEGBARES WASSERFAHRZEUG UND VERFAHREN ZUR STEUERUNG EINES ANTRIEBSSYSTEMS

Title (fr)

SYSTÈME D'ENTRAÎNEMENT POUR UN VÉHICULE NAUTIQUE POUVANT AVANCER AVEC LA FORCE MUSCULAIRE ET PROCÉDÉ DE COMMANDE D'UN SYSTÈME D'ENTRAÎNEMENT

Publication

EP 3847093 A1 20210714 (DE)

Application

EP 19769377 A 20190903

Priority

- DE 102018121649 A 20180905
- DE 2019100792 W 20190903

Abstract (en)

[origin: WO2020048566A1] The invention relates to a drive system for supported driving of a watercraft (1) that can be moved by muscle power. The drive system has a drive unit (2) designed to drive a watercraft, which drive unit can be fastened to the watercraft (1), and an energy source (8) for providing energy to the drive unit (2). A sensor unit (14), which has at least one acceleration detection device (16) for detecting an acceleration of a means of propulsion (9) that can be moved by muscle power and/or at least one pressure detection device (15) for detecting a pressure on the means of propulsion (9) that can be moved by muscle power, and a control unit (10) for controlling a drive power of the drive unit (2) are also part of the drive system, wherein the control unit (10) is configured to receive signals from the sensor unit (14) and the drive power of the drive unit (2) can be controlled in dependence upon the detected acceleration of the means of propulsion (9) and/or the detected pressure on the means of propulsion (9). The invention further relates to a method for controlling a drive system for supported driving of a watercraft (1) that can be moved by muscle power.

IPC 8 full level

B63B 43/18 (2006.01); **B63H 16/04** (2006.01)

CPC (source: EP)

B63B 32/10 (2020.02); **B63B 34/20** (2020.02); **B63B 43/18** (2013.01); **B63H 16/04** (2013.01)

Citation (search report)

See references of WO 2020048566A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102018121649 A1 20200305; EP 3847093 A1 20210714; WO 2020048566 A1 20200312; WO 2020048566 A9 20200522

DOCDB simple family (application)

DE 102018121649 A 20180905; DE 2019100792 W 20190903; EP 19769377 A 20190903