

Title (en)
MARINE VESSEL MANEUVERING SYSTEM

Title (de)
SYSTEM ZUM MANÖVRIEREN VON SCHIFFEN

Title (fr)
SYSTÈME DE MAN UVRE DE NAVIRE

Publication
EP 4089004 A3 20221130 (EN)

Application
EP 22171851 A 20220505

Priority
JP 2021080339 A 20210511

Abstract (en)
A marine vessel maneuvering system (100) includes a controller (41, 42) configured or programmed to perform a propulsion reverse direction control to change a direction of a propulsive force (F) of a propulsion generator (10) to a reverse direction when a user operates an operator (30) to turn a marine vessel (110) either counterclockwise or clockwise with the marine vessel (110) turned either clockwise or counterclockwise.

IPC 8 full level
B63H 20/12 (2006.01); **B63H 20/16** (2006.01); **B63H 21/21** (2006.01)

CPC (source: EP US)
B63H 20/12 (2013.01 - EP US); **B63H 20/16** (2013.01 - EP); **B63H 20/20** (2013.01 - US); **B63H 21/21** (2013.01 - EP); **B63H 25/02** (2013.01 - US); **B63H 25/42** (2013.01 - US); **B63H 2025/026** (2013.01 - US)

Citation (search report)

- [X] WO 2014057725 A1 20140417 - SUZUKI MOTOR CORP [JP]
- [X] JP 2011140272 A 20110721 - YAMAHA MOTOR CO LTD
- [X] JP 2016083972 A 20160519 - YANMAR CO LTD

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4089004 A2 20221116; EP 4089004 A3 20221130; JP 2022174500 A 20221124; US 2022363362 A1 20221117

DOCDB simple family (application)
EP 22171851 A 20220505; JP 2021080339 A 20210511; US 202217730297 A 20220427