

Title (en)

BOAT EQUIPPED WITH ADDITIONAL PROPELLER

Title (de)

BOOT MIT ZUSÄTZLICHEM PROPELLER

Title (fr)

BATEAU ÉQUIPÉ D'UNE HÉLICE SUPPLÉMENTAIRE

Publication

EP 3266701 A1 20180110 (EN)

Application

EP 16759039 A 20160304

Priority

- JP 2015041927 A 20150304
- JP 2016056835 W 20160304

Abstract (en)

To reduce fuel consumption without impairing operational safety of a ship. A ship 10 configured to obtain propelling force by driving a designed propeller 11 with a main engine 12, and including: a vertical tunnel 30 that is formed at a bow portion to pass through a ship bottom; a lateral tunnel 32 that is formed in communication with the vertical tunnel 30; and an additional propeller device 24 that is provided, which has an additional propeller 20 and a driving unit 22 for the propeller, wherein the additional propeller device 24 is configured such that the additional propeller 20 can turn around a vertical center line of the vertical tunnel 30, the additional propeller 20 is configured to be capable of vertically movable from below the ship bottom to a height position of the lateral tunnel 32, and when the additional propeller 20 is at the height position of the lateral tunnel 32, the additional propeller 20 is configured to follow the lateral tunnel 30.

IPC 8 full level

B63H 25/42 (2006.01); **B63B 11/00** (2006.01); **B63H 5/15** (2006.01); **B63H 20/00** (2006.01)

CPC (source: EP KR US)

B63B 11/00 (2013.01 - EP US); **B63B 11/06** (2013.01 - KR); **B63H 5/125** (2013.01 - US); **B63H 5/15** (2013.01 - EP KR US); **B63H 20/00** (2013.01 - EP US); **B63H 25/42** (2013.01 - EP KR US); **B63B 2043/006** (2013.01 - EP US); **B63H 2025/425** (2013.01 - EP US)

Cited by

WO2019220152A1

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)

EP 3266701 A1 20180110; **EP 3266701 A4 20181114**; CN 107428406 A 20171201; JP 2016159824 A 20160905; KR 20170120152 A 20171030; RU 2017132836 A 20190404; RU 2017132836 A3 20190606; SG 11201707170Q A 20171030; US 2018043979 A1 20180215; WO 2016140347 A1 20160909

DOCDB simple family (application)

EP 16759039 A 20160304; CN 201680013545 A 20160304; JP 2015041927 A 20150304; JP 2016056835 W 20160304; KR 20177026654 A 20160304; RU 2017132836 A 20160304; SG 11201707170Q A 20160304; US 201615554893 A 20160304