

Title (en)

TRANSVERSE PROPULSION DEVICE OF A SHIP

Title (de)

QUERANTRIEBSVORRICHTUNG EINES SCHIFFES

Title (fr)

DISPOSITIF DE PROPULSION TRANSVERSALE D'UN NAVIRE

Publication

EP 4234392 A3 20231004 (EN)

Application

EP 23175595 A 20211014

Priority

- IT 202000024202 A 20201014
- EP 21798787 A 20211014
- IB 2021059445 W 20211014

Abstract (en)

A transverse propulsion device (1) of a ship (2) comprising a maneuvering tunnel (3) defined in a hull (4) of the ship (2) and adapted to contain at least one maneuvering propeller (5); said maneuvering tunnel (3) being delimited by tunnel walls (6), which extend between a first tunnel entrance (7) and an opposite second tunnel entrance (8); at least one coupling (9), which extends from the tunnel walls (6) at the at least one tunnel entrance (7, 8); at least one support structure (10), comprising at least one counter-coupling (27); said support structure (10) being connected in a separable manner with said at least one counter-coupling (27) thereof to said at least one coupling (9); said transverse propulsion device (1) further comprising at least two closing doors (12) shaped so as to close the at least one tunnel entrance (7, 8), as a whole, when in the closing position; wherein at least one support structure (10) comprises hinges (11); and wherein said at least two closing doors (12) are rotatably hinged only on said hinges (11) of the support structure (10), so that, when said at least one counter-coupling (27) of the support structure (10) is separated from said at least one coupling (9), the closing doors (12) separate from the maneuvering tunnel (3), together with the support structure (10), thus allowing access to the maneuvering tunnel (3).

IPC 8 full level

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CPC (source: CN EP KR)

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Citation (search report)

- [XD] CN 205819525 U 20161221 - CSIC (SHANGHAI) ENERGY SAVING TECH DEV CO LTD
- [XD] CN 105329405 A 20160217 - WUCHANG SHIPBUILDING INDUSTRY GROUP CO LTD
- [XD] CN 102381439 A 20120321 - UNIV HENAN SCIENCE & TECH

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022079651 A1 20220421; CN 116635296 A 20230822; CN 117022621 A 20231110; EP 4214117 A1 20230726; EP 4234392 A2 20230830; EP 4234392 A3 20231004; IT 202000024202 A1 20220414; JP 2023159890 A 20231101; JP 2023546397 A 20231102; KR 20230117128 A 20230807; KR 20230117335 A 20230808

DOCDB simple family (application)

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