

Title (en)

RUDDER TRUNK FOR A WATERCRAFT, WATERCRAFT HAVING A RUDDER TRUNK, AND METHOD FOR PRODUCING A RUDDER TRUNK

Title (de)

RUDERKOKER FÜR EIN WASSERFAHRZEUG, WASSERFAHRZEUG MIT EINEM RUDERKOKER UND VERFAHREN ZUR HERSTELLUNG EINES RUDERKOKERS

Title (fr)

TRONC DE GOUVERNAIL POUR EMBARCATION, EMBARCATION DOTÉE D'UN TRONC DE GOUVERNAIL ET PROCÉDÉ DE FABRICATION D'UN TRONC DE GOUVERNAIL

Publication

EP 4175879 A1 20230510 (DE)

Application

EP 21737685 A 20210701

Priority

- DE 202020103872 U 20200703
- EP 2021068258 W 20210701

Abstract (en)

[origin: CA3184227A1] To improve the hydrodynamic efficiency of a watercraft, the invention proposes a rudder trunk (100) for a watercraft (13), comprising a trunk tube (10), a receiving shaft (11) and a retainer (20) for retaining the trunk tube (10) in the receiving shaft (11), wherein: there is an intermediate space (19) between the trunk tube (10) and the receiving shaft (11) when the trunk tube (10) is situated in the receiving shaft (11); the retainer (20) comprises at least one holder element (21, 21a, 21b, 21c, 21d) and at least one holder partner (22, 22a, 22b, 22c, 22d); the at least one holder element (21, 21a, 21b, 21c, 21d) is situated on the trunk tube (10); the at least one holder partner (22, 22a, 22b, 22c, 22d) is situated on the receiving shaft (11); and the at least one holder element (21, 21a, 21b, 21c, 21d) and/or the at least one holder partner (22, 22a, 22b, 22c, 22d) protrudes into the intermediate space (19) when the trunk tube (10) is situated in the receiving shaft (11).

IPC 8 full level

B63H 25/38 (2006.01); **B63B 3/40** (2006.01)

CPC (source: EP KR US)

B63B 3/40 (2013.01 - EP KR US); **B63B 73/20** (2020.01 - KR); **B63B 73/40** (2020.01 - KR); **B63H 25/38** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2022003133A1

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)

DE 202020103872 U1 20200813; CA 3184227 A1 20220106; CN 116323386 A 20230623; EP 4175879 A1 20230510;
JP 2023532890 A 20230801; KR 20230029996 A 20230303; US 2023339590 A1 20231026; WO 2022003133 A1 20220106

DOCDB simple family (application)

DE 202020103872 U 20200703; CA 3184227 A 20210701; CN 202180057376 A 20210701; EP 2021068258 W 20210701;
EP 21737685 A 20210701; JP 2022580422 A 20210701; KR 20237004044 A 20210701; US 202118011610 A 20210701