

Title (en)

RUDDER BLADE WITH A RUDDER BLADE HUB AND RUDDER BLADE HUB FOR A RUDDER BLADE

Title (de)

RUDERBLATT MIT EINER RUDERBLATTNABE UND RUDERBLATTNABE FÜR EIN RUDERBLATT

Title (fr)

SAFRAN COMPRENANT UN MOYEU ET MOYEU DE SAFRAN

Publication

EP 3409575 B1 20220629 (DE)

Application

EP 17173460 A 20170530

Priority

EP 17173460 A 20170530

Abstract (en)

[origin: CA3006531A1] In order to provide a rudder blade with a rudder blade hub, which, in comparison to rudder blades known from the prior art, has a lower overall weight and can be produced with a reduced outlay on materials and costs, while simultaneously ensuring a sufficiently high strength in order to be able to absorb the large forces and torques acting during operation of the rudder blade and to be able to conduct them away to a rudder stock, it is proposed to make provision, in the case of a rudder blade (100), in particular in the case of a semi-balanced rudder or a full spade rudder, for water crafts, in particular ships, comprising a leading edge (10), a trailing edge (11), a first side wall (12) and a second side wall (13) lying opposite the first side wall (12), and a rudder blade hub (17), which is arranged in a connection space (16), for connecting a rudder stock, wherein the rudder blade hub (17) comprises a hub body (29), wherein the hub body (29) comprises an inner bore (30) for receiving a rudder stock, and a hub outer surface (31) running in the circumferential direction, for the hub outer surface (31) to be arranged in its entirety spaced apart from an inner side of the first side wall (12) and from an inner side of the second side wall (13).

IPC 8 full level

B63H 25/38 (2006.01)

CPC (source: EP KR US)

B63H 25/38 (2013.01 - EP KR US)

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

DOCDB simple family (publication)

EP 3409575 A1 20181205; EP 3409575 B1 20220629; CA 3006531 A1 20181130; CA 3006531 C 20240326; DK 3409575 T3 20220912; ES 2925695 T3 20221019; HR P20221052 T1 20221111; JP 2018203236 A 20181227; JP 7437869 B2 20240226; KR 102524329 B1 20230421; KR 20180131484 A 20181210; PL 3409575 T3 20221003; PT 3409575 T 20220830; SG 10201804501Y A 20181228; TW 201912510 A 20190401; TW I761522 B 20220421; US 10464654 B2 20191105; US 2018346087 A1 20181206

DOCDB simple family (application)

EP 17173460 A 20170530; CA 3006531 A 20180529; DK 17173460 T 20170530; ES 17173460 T 20170530; HR P20221052 T 20170530; JP 2018103017 A 20180530; KR 20180062201 A 20180530; PL 17173460 T 20170530; PT 17173460 T 20170530; SG 10201804501Y A 20180528; TW 107118326 A 20180529; US 201815991606 A 20180529