

Title (en)
High-load suspended rudder

Title (de)
Hochlast-Schweberuder

Title (fr)
Gouvernail suspendu à hautes sollicitations

Publication
EP 1787904 A3 20090708 (DE)

Application
EP 05026203 A 20051201

Priority
DE 202005018180 U 20051118

Abstract (en)
[origin: EP1787904A2] The rudder has a blade (10) rotatable over a rudder port (11), and a rudder post (12) arranged in the rudder port. The rudder post is supported over a fixed leading head (14) on a hull (13) of a ship. A lower edge (15) of the leading head is arranged in a diameter area (D) of a drive propeller (17). A lower rudder port bearing (18) is formed in a reinforced manner, and an additional rudder fin is provided at the blade. The lower edge penetrates into a downflow of the drive propeller. A profile of the blade and a profile of the leading head are adapted to each other.

IPC 8 full level
B63H 25/38 (2006.01)

IPC 8 main group level
B63H (2006.01)

CPC (source: EP KR US)
B63H 25/38 (2013.01 - EP KR US)

Citation (search report)

- [YD] DE 19841392 A1 20000316 - IBMV MARITIME INNOVATIONSGESEL [DE]
- [Y] DE 19746853 A1 19990429 - DUDSZUS ALFRED [DE]
- [A] JP 2002284095 A 20021003 - NIPPON KOKAN KK

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
US 2007113770 A1 20070524; US 7337740 B2 20080304; AT E549239 T1 20120315; CA 2530860 A1 20070518; CA 2530860 C 20091013; CL 2005003232 A1 20080125; CN 100430294 C 20081105; CN 1966350 A 20070523; DE 202005018180 U1 20070405; DK 1787904 T3 20120709; EP 1787904 A2 20070523; EP 1787904 A3 20090708; EP 1787904 B1 20120314; ES 2384259 T3 20120703; HK 1103698 A1 20071228; JP 2007137403 A 20070607; JP 4597047 B2 20101215; KR 101284490 B1 20130716; KR 20070053079 A 20070523; NO 20055798 D0 20051207; NO 20055798 L 20070521; NO 336465 B1 20150831; PL 1787904 T3 20121130; PT 1787904 E 20120621; RO 129546 A2 20140630; SG 132558 A1 20070628; TW 200720153 A 20070601; TW I332466 B 20101101

DOCDB simple family (application)
US 29935005 A 20051210; AT 05026203 T 20051201; CA 2530860 A 20051219; CL 2005003232 A 20051212; CN 200610005766 A 20060109; DE 202005018180 U 20051118; DK 05026203 T 20051201; EP 05026203 A 20051201; ES 05026203 T 20051201; HK 07108165 A 20070727; JP 2005371324 A 20051226; KR 20050119385 A 20051208; NO 20055798 A 20051207; PL 05026203 T 20051201; PT 05026203 T 20051201; RO 200501018 A 20051209; SG 2005084082 A 20051227; TW 95101863 A 20060118