

Title (en)  
High-load suspended rudder

Title (de)  
Hochlast-Schweberuder

Title (fr)  
Gouvernail suspendu à hautes sollicitations

Publication  
**EP 1787904 B1 20120314 (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  
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CPC (source: EP KR US)  
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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

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**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