Title (en)
High-performance rudder for ships

Title (de)
Hochleistungsruder für Schiffe

Title (fr)
Gouvernail haute puissance pour bateaux

Publication
EP 2060483 B1 20140219 (DE)

Application
EP 07024060 A 20071212

Priority
DE 202007016164 U 20071116

Abstract (en)
[origin: CN101434293A] A high performance full spade rudder for ships, which is designed with excellent flexibility and to bear high load, includes a rudder blade, a rudder trunk and a rudder post. The rudder blade widens from the leading edge to a central area which constitutes the widest point of the rudder profile. The rudder blade profile tapers from the central area to a narrow rear area and widens again from the rear area to the trailing edge. A bearing is placed in an inner longitudinal bore of the rudder trunk for bearing the rudder post, wherein the bearing penetrates with its free end into a recess, taper or the like in the rudder blade. No bearing is provided between the rudder blade and the rudder trunk. The bearing for the rudder post is placed in the rudder trunk in the area of the free end of the rudder trunk.

IPC 8 full level
B63H 25/38 (2006.01)

CPC (source: EP KR US)
B63H 25/38 (2013.01 - EP KR US); B63H 2025/388 (2013.01 - EP US)

Cited by
CN102390516A

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

Designated extension state (EPC)
HR

DOCDB simple family (publication)
DE 202007016164 U1 20080124; CN 101434293 A 20090520; CN 101434293 B 20120620; DK 2060483 T3 20140602;
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HR P20140443 T1 20140620; JP 2009120171 A 20090604; JP 5014205 B2 20120829; KR 20090050918 A 20090520; PL 2060483 T3 20140731;
PT 2060483 E 20140528; SG 152964 A1 20090629; SI 2060483 T1 20140829; TW 200922836 A 20090601; TW I352678 B 20111121;
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DE 202007016164 U 20071116; CN 200810092642 A 20080416; DK 07024060 T 20071212; EP 07024060 A 20071212;
ES 07024060 T 20071212; HK 09107786 A 20090825; HR P20140443 T 20140519; JP 2008056223 A 20080306; KR 20080029045 A 20080328;
PL 07024060 T 20071212; PT 07024060 T 20071212; SG 2008016677 A 20080227; SI 200731460 T 20071212; TW 97107310 A 20080303;
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