

Title (en)
Rudder for ships

Title (de)
Ruder für Schiffe

Title (fr)
Gouvernail pour bateaux

Publication
EP 1857358 B1 20160907 (DE)

Application
EP 07013643 A 20040622

Priority

- EP 2004006713 W 20040622
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- EP 04740144 A 20040622

Abstract (en)
[origin: TW200535049A] The rudder for ships comprises a rudder blade (100) and a propeller associated to the rudder, placed on a drivable propeller axle, whereby that the rudder blade (100) has two superimposed rudder blade portions (10, 20), the front nose strips (11, 21) of which, turned to the propeller, are offset the one to the other in such a way that the one nose strip (11) is turned aport (BB) or to starboard (SB) and the other nose strip (21) is offset to starboard (SB) or aport (BB), whereby both side wall faces of the rudder blade (100) converge into one end strip (30) turned away from the propeller (220).

IPC 8 full level
B63H 25/38 (2006.01)

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

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DOCDB simple family (publication)

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CN 101016082 B 20101208; CN 1689912 A 20051102; DE 202004021218 U1 20070419; DE 202004021222 U1 20070426;
DE 202004021223 U1 20070419; DE 202004021474 U1 20080410; DE 202004021495 U1 20080605; DE 202004021604 U1 20090528;
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EP 1857358 A2 20071121; EP 1857358 A3 20071205; EP 1857358 B1 20160907; EP 2025593 A2 20090218; EP 2025593 A3 20090401;
EP 2025593 B1 20160817; ES 2323784 T3 20090724; ES 2602562 T3 20170221; ES 2604756 T3 20170309; HK 1083813 A1 20060714;
JP 2005306355 A 20051104; JP 2007131298 A 20070531; JP 4410656 B2 20100203; JP 4597146 B2 20101215; KR 20050103137 A 20051027;
KR 20090029249 A 20090320; PL 1626897 T3 20091030; PL 1857358 T3 20170228; PT 1626897 E 20090616; SI 1626897 T1 20090831;
TW 200535049 A 20051101; TW 200734244 A 20070916; TW I295982 B 20080421; TW I302894 B 20081111; WO 2005113332 A1 20051201

DOCDB simple family (application)

DE 202004006453 U 20040423; AT 04740144 T 20040622; CN 200410090161 A 20041029; CN 200710005256 A 20041029;
DE 202004021218 U 20040622; DE 202004021222 U 20040622; DE 202004021223 U 20040622; DE 202004021474 U 20040622;
DE 202004021495 U 20040622; DE 202004021604 U 20040622; DE 502004009484 T 20040622; DK 04740144 T 20040622;
DK 07013643 T 20040622; EP 04740144 A 20040622; EP 07013643 A 20040622; EP 08015619 A 20040622; EP 2004006713 W 20040622;
ES 04740144 T 20040622; ES 07013643 T 20040622; ES 08015619 T 20040622; HK 06103725 A 20060324; JP 2004316211 A 20041029;
JP 2007009039 A 20070118; KR 20040086554 A 20041028; KR 20090017636 A 20090302; PL 04740144 T 20040622;
PL 07013643 T 20040622; PT 04740144 T 20040622; SI 200431117 T 20040622; TW 93131982 A 20041021; TW 96110096 A 20041021