

Title (en)

AN ARRANGEMENT FOR STEERING A WATER-CRAFT

Title (de)

ANORDNUNG ZUM LENKEN EINES WASSERFAHRZEUGS

Title (fr)

DISPOSITIF DE MANOEUVRE D'UNE EMBARCATION

Publication

EP 1472135 B1 20051102 (EN)

Application

EP 03737336 A 20030110

Priority

- FI 0300018 W 20030110
- FI 20020243 A 20020206

Abstract (en)

[origin: WO03066428A1] The invention relates to an arrangement for steering a water-craft (1), which comprises at least one main propulsion device (3, 3a, 3b, 11, 11a, 11b, 11c), which is arranged to push the water-craft (1) forward or backward, and a number of steering propulsion devices (2), the pushing direction of which can be changed. The steering propulsion devices (2) are arranged in the aft of the water craft (1) on both sides of the said at least one main propulsion device (3, 3a, 3b, 11, 11a, 11b, 11c) so that the steering of the water-craft (1) is continuously provided by means of the steering propulsion devices (2) without any separate rudder means of the like to be functionally connected to said at least one main propulsion device (3, 3a, 3b, 11, 11a, 11b, 11c).

IPC 1-7

B63H 25/42; B63H 5/08

IPC 8 full level

B63H 5/125 (2006.01); **B63H 25/42** (2006.01)

CPC (source: EP KR US)

B63H 5/08 (2013.01 - KR); **B63H 5/125** (2013.01 - EP US); **B63H 25/42** (2013.01 - EP KR US); **B63H 2005/1254** (2013.01 - EP US)

Cited by

RU2735392C1; WO2009007497A3; US8689713B2; WO2009007497A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03066428 A1 20030814; AT E308456 T1 20051115; AU 2003201176 A1 20030902; CN 100509553 C 20090708; CN 1628052 A 20050615; DE 60302136 D1 20051208; DE 60302136 T2 20060720; DK 1472135 T3 20060320; EP 1472135 A1 20041103; EP 1472135 B1 20051102; ES 2250898 T3 20060416; FI 113753 B 20040615; FI 20020243 A0 20020206; FI 20020243 A 20030807; JP 2005516844 A 20050609; JP 4206339 B2 20090107; KR 20040074993 A 20040826; NO 20043731 L 20040906; PL 373582 A1 20050905; US 2005070179 A1 20050331

DOCDB simple family (application)

FI 0300018 W 20030110; AT 03737336 T 20030110; AU 2003201176 A 20030110; CN 03803424 A 20030110; DE 60302136 T 20030110; DK 03737336 T 20030110; EP 03737336 A 20030110; ES 03737336 T 20030110; FI 20020243 A 20020206; JP 2003565820 A 20030110; KR 20047008492 A 20030110; NO 20043731 A 20040906; PL 37358203 A 20030110; US 50005604 A 20040623