

Title (en)
Steering device

Title (de)
Steuerungsgerät für Schiffe

Title (fr)
Dispositif pour gouverner un bateau

Publication
EP 1512623 A2 20050309 (EN)

Application
EP 04445070 A 20040609

Priority
SE 0302063 A 20030714

Abstract (en)
The main purpose for this invention is to provide an effective steering device for manoeuvring a boat in narrow passages e.g. when docking at a quay. The most common arrangement with a conventional boat bottom is that the propeller and propeller house is placed in a thruster tunnel open to both sides of the boat below the water surface. With more modern boats having a shallower hull profile a more effective solution is to have the propeller assembly lowered down through a recess in the hull bottom in order for it to be able to be below the water surface when required.. This is done by swinging the propeller assembly through a recess in the bottom of the boat as shown in fig 1. This invention (in fig 1) fulfils the demands described above by having a propeller assembly (1) with a propeller (3) driven by a motor and placed at each end of a carrying arm (4) which is mounted in a pi fixture (A-A) (fig4) with pivoting axles (6) and which therefore can be swung down through the bottom of the boat and placed under the water surface.

IPC 1-7
B63H 5/125; **B63H 25/42**

IPC 8 full level
B63H 5/125 (2006.01); **B63H 25/42** (2006.01)

CPC (source: EP)
B63H 5/125 (2013.01); **B63H 25/42** (2013.01)

Cited by
FR2913399A1; EP2548797A1; WO2006128486A1; WO2008125782A3; WO2014052531A1; US9260173B2; US10005532B2; US8894453B2; EP3587240A1; US10766586B2

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1512623 A2 20050309; **EP 1512623 A3 20061004**; **EP 1512623 B1 20071114**; AT E378249 T1 20071115; DE 602004010012 D1 20071227; DE 602004010012 T2 20081023; SE 0302063 D0 20030714; SE 0302063 L 20040921; SE 524699 C2 20040921

DOCDB simple family (application)
EP 04445070 A 20040609; AT 04445070 T 20040609; DE 602004010012 T 20040609; SE 0302063 A 20030714