

Title (en)

AN ARRANGEMENT IN CONNECTION WITH A SWINGABLE TURN-UP INBOARD/OUTBOARD STERN AGGREGATE FOR A CRAFT

Title (de)

ANORDNUNG BEZÜGLICH EINES SCHWENKBAREN UND HOCHKLAPPBAREN INNENBORD-AUSSENBOARD HECKELEMENTES FÜR EIN SCHIFF

Title (fr)

AGENCEMENT RELATIF A UN ENSEMBLE ARRIERE INTERIEUR/EXTERIEUR, PIVOTANT ET RELEVABLE POUR UN BATEAU

Publication

**EP 0535100 B2 20010718 (EN)**

Application

**EP 91911884 A 19910620**

Priority

- NO 902737 A 19900620
- NO 9100088 W 19910620

Abstract (en)

[origin: WO9119644A1] An arrangement in a swingable turn-up inboard/outboard stern aggregate (1) for craft with an inboard engine and an outboard driving means (2) comprising a screw (5), where the inboard driving shaft (3) of the stern aggregate (1) for connection with the engine is connected with a screw shaft (4) which is approximately horizontal in a position for use and is mounted in the lower end of a housing (7) by the aid of a transmission shaft (6), which is divided into two sections (6a, 6b) and surrounded by housing (7). The first section (6a) is at one end mounted (8) in the upper end of housing (7) and connected with driving shaft (3), via a first universal joint (A), and is at its other end, via an angular gear (B), connected with an upper end of section (6b) which is inclined rearwards and downwards. The lower end of second section (6b) is connected with screw shaft (4) at a firm angle (V), via a transmission means (C) of torsional moment. In connection with angular gear (B) comprising two sets of angular gearwheels (B1, B2) a reversing means (D) is provided to reverse the direction of rotation of lower section (6b) and, thus, the direction of movement of craft (10).

IPC 1-7

**B63H 20/00**; **B63H 23/08**

IPC 8 full level

**B63H 20/00** (2006.01); **B63H 5/125** (2006.01); **B63H 20/08** (2006.01); **B63H 23/02** (2006.01); **B63H 23/08** (2006.01); **B63H 20/10** (2006.01); **B63H 20/20** (2006.01); **B63H 20/22** (2006.01)

IPC 8 main group level

**B63H** (2006.01)

CPC (source: EP)

**B63H 5/125** (2013.01); **B63H 5/1252** (2013.01); **B63H 20/10** (2013.01); **B63H 20/20** (2013.01); **B63H 20/22** (2013.01)

Citation (opposition)

Opponent :

- JP S594879 Y2 19840213
- US 4850911 A 19890725 - NAKAHAMA RYOJI [JP], et al

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**WO 9119644 A1 19911226**; AT E149026 T1 19970315; AU 8076291 A 19920107; DE 69124742 D1 19970327; DE 69124742 T2 19970528; DK 0535100 T3 19970825; EP 0535100 A1 19930407; EP 0535100 B1 19970219; EP 0535100 B2 20010718; EP 0723910 A2 19960731; EP 0723910 A3 19960911; ES 2097811 T3 19970416; JP H06501218 A 19940210; NO 170528 B 19920720; NO 170528 C 19921028; NO 170529 B 19920720; NO 170529 C 19921028; NO 902737 D0 19900620; NO 902737 L 19911223; NO 913602 D0 19910912; NO 913602 L 19911223

DOCDB simple family (application)

**NO 9100088 W 19910620**; AT 91911884 T 19910620; AU 8076291 A 19910620; DE 69124742 T 19910620; DK 91911884 T 19910620; EP 91911884 A 19910620; EP 96102868 A 19910620; ES 91911884 T 19910620; JP 51115691 A 19910620; NO 902737 A 19900620; NO 913602 A 19910912