

Title (en)
MARINE OUTDRIVE APPARATUS

Publication
EP 0037690 B1 19840620 (EN)

Application
EP 81301340 A 19810327

Priority
US 13779780 A 19800407

Abstract (en)
[origin: EP0037690A1] A marine outdrive attachable to the transom of a boat having an inboard engine. The marine outdrive includes a support casing (23) securable to the boat's transom (20) and having a ball socket (24). The ball socket receives the ball (32) of a propeller shaft carrier (30). A drive shaft (38) connectable to the inboard engine is journaled in the support casing. A propeller shaft (40) is journaled in the propeller shaft carrier. A double universal joint (46) connects the two shafts, with the center of such joint coinciding with the point about which the ball pivots within the socket. Hydraulic steering cylinders (108, 110) are attached to the propeller shaft carrier to swing about a generally vertical steering axis extending through the a aforementioned pivot point. A hydraulic trim cylinder (140) extends between the transom and the propeller shaft housing to swing the housing vertically about a horizontal trim axis extending through the aforementioned pivot point.

IPC 1-7
B63H 5/12

IPC 8 full level
B63H 5/125 (2006.01)

CPC (source: EP)
B63H 5/1252 (2013.01); **B63H 2001/185** (2013.01)

Cited by
EP0090497A3; EP2045183A1; EP2011732A1; CN112591013A; US5312277A; AU637067B2; FR2710024A1; AU636858B2; CN105109652A; WO9108946A1; WO03097449A1; WO9006256A1; WO9006255A1

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