

Title (en)
DRIVES FOR PROPULSION OF MARINE VESSELS

Title (de)
ANTRIEBE ZUM ANTRIEB VON WASSERFAHRZEUGEN

Title (fr)
ÉLÉMENTS PROPULSIFS POUR NAVIRES

Publication
EP 2718178 B1 20201118 (EN)

Application
EP 11741279 A 20110610

Priority
IB 2011052547 W 20110610

Abstract (en)
[origin: WO2012168767A1] A marine propulsion system (10) includes a gearbox housing (18) that is attached to the stern of a vessel hull (14), a pivot casing (22) that can pivot relative to the gearbox housing (18) for trim/tilt and a lower unit (28) that can pivot relative to the pivot casing (22) to steer. The gearbox housing (18) houses an input shaft (20), which is connected via a gear set (38) to an intermediate shaft (36), which is connected via a bevel gear set (42) to a transverse shaft (40), which extends into the pivot casing (22). Inside the pivot casing (22), a drive shaft (26,30) is connected to the transverse shaft (40) via a clutch assembly (44) and the drive shaft (26,30) extends from the pivot casing (22) to the lower unit (28), where it drives a propeller shaft (32). The pivot casing (22) pivots about the axis of the transverse shaft (40) to trim/tilt and the lower unit (28) pivots about the axis of the drive shaft (26,30) to steer.

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