

Title (en)
POSITION CHANGING DEVICE, IN PARTICULAR FOR A WATERCRAFT

Title (de)
LAGEÄNDERUNGSVORRICHTUNG, INSBESONDERE FÜR EIN WASSERFAHRZEUG

Title (fr)
DISPOSITIF DE CHANGEMENT DE POSITION, EN PARTICULIER D'UN ENGIN NAUTIQUE

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Abstract (en)
[origin: WO2017060341A1] The invention relates to a position changing device, in particular for a watercraft, having a drive device (100, 100', 100'', 100''') of the type described below and a trimming device (10, 10', 10'') of the type described below. The invention further relates to a drive device (100, 100', 100'', 100'''), in particular for a watercraft (1), comprising a housing (110) with an upstream and a downstream end, said housing being designed to be arranged outside of a watercraft hull (1a) of the watercraft (1); at least one advancing device (120) which is arranged at least partly below the water surface (W), in particular completely below the water surface; and at least one drive device which applies a torque to the advancing device (120). The housing (110) has at least one opening in both the upstream and downstream end, said openings being connected together via a channel (130) which is at least partly closed in the cross-section perpendicular to the flow direction (S), and the advancing device (120) is arranged at least partly within the channel (130), in particular completely within the channel. The invention further relates to a watercraft comprising the corresponding drive device, to a use of the corresponding drive device, and to a trimming device (10, 10', 10''), in particular for a watercraft (1), comprising a housing (110) with an upstream and a downstream end, said housing being designed to be arranged outside of the watercraft (1), in particular at least substantially below the watercraft; at least one buoyancy body (140) which is arranged at least partly within the housing (110) and provides a controllable buoyancy; at least one connecting device (150) which is designed to at least mechanically connect the housing (110) to a watercraft hull (1a) of the watercraft at a distance therefrom; and a controller which is designed to control the position of the watercraft relative to the water surface (W). The controller is designed to control, in particular regulate, the buoyancy provided by the buoyancy body (140) and/or the controller is designed to control, in particular regulate, the distance provided by the connecting device between the watercraft hull and the housing, and the housing can be moved relative to the watercraft, in particular the housing can be pivoted about a vertical axis (A) and/or at least about another axis. The invention further relates to a watercraft (1) comprising a corresponding trimming device (10, 10', 10'') and to a use of the corresponding trimming device.

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