

Abstract

The present invention relates to a propeller drive arrangement and a method for moving and steering a vessel. The arrangement comprises an azimuthing propulsion unit (6) and operating equipment for turning said azimuthing propulsion unit to steer the vessel. The operating equipment comprises an electric motor (20) for rotating said propulsion unit (6) by means of a mechanical power transmission machinery (40) connected to said electric motor. A power unit (30) supplies electric power to said electric motor (20). A control unit (34) controls the operation of said electric motor by controlling said power unit (30). The arrangement also comprises a sensor device (16) for detecting the rotational position of said azimuthing propulsion unit (6). A control unit (34) is arranged to process steering command information from a control means (38) and turning position information from said sensor device (16) and to control the operation of said electric motor (20) on the basis of this processing.

(Fig. 1)



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