

ABSTRACT

SHIP PROPULSION ARRANGEMENT

A main propulsion unit (1) of a high power ship or other large marine vessel (21) comprises an outer casing (1a) said unit having a tubular shaft (8) turnable about an axis substantially normal to the water surface, and comprising an outer casing (1a) which communicates with the tubular shaft and defines an internal space containing an electrical drive motor (2) and a propeller shaft (3) connected to at least one propeller (4) external of the outer casing (1a). The outer casing (1a) of the unit (1) is, on its inside, supported by a plurality of web plates (5), which are arranged to act, simultaneously, as structural elements stiffening and supporting the outer casing (1a), as elements securing the drive motor (2) in place and transmitting to the casing (1a) reaction forces to the torque developed by the drive motor (2) and acting as wall elements of ducts for incoming and outgoing gaseous coolant for the drive motor.

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This Sheet Has Been Replaced

