

Title (en)

MARINE VESSEL WITH A LARGE PROPELLER AND GEARBOX

Title (de)

WASSERFAHRZEUG MIT GROSSEM PROPELLER UND GETRIEBE

Title (fr)

NAVIRE EQUIPE D'UNE GRANDE HELICE ET D'UNE BOITE DE VITESSES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016000714A1] A marine vessel (1) driven by an engine (10, 50) with a very large first propeller (11) and a less large coaxial contra rotating second propeller (12). The marine vessel (1) comprises a hull (2) with a baseline (20) extending between the bow and the aft, an engine (10, 50) arranged inside the hull (2), a pair of coaxial contra-rotating propellers (11, 12) mounted in tandem on concentric shafts (32, 34) at or near the aft of the hull (2) and operably connected to the engine (10). The pair of coaxial contra-rotating propellers (11, 12) comprises a first propeller (11) with a first radius (R1) and a second propeller (12) with a second radius (R2) that is smaller than the first radius (R1). The axis (9) of the concentric shafts (32, 34) has a vertical distance (V) from the base line (20) that is at least equal to the second radius (R2) and smaller than the first radius (R1). Said first propeller (11) being arranged to be kept stationary in a specific angular position whilst the second propeller (12) is rotatable by the large internal combustion engine (10, 50).

IPC 8 full level

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CPC (source: EP)

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- [X] JP H02212293 A 19900823 - ISHIKAWAJIMA HARIMA HEAVY IND
- [X] JP S62170440 U 19871029
- [A] DE 3303554 A1 19830818 - KAMEWA AB [SE]
- See references of WO 2016000714A1

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