

Title (en)

Contra-rotating propeller propulsion system for ships

Title (de)

Schiffsantrieb mit gegenläufigen Propellern

Title (fr)

Système de propulsion pour bateaux, avec des hélices contrarotatives

Publication

EP 2202143 A1 20100630 (EN)

Application

EP 08382086 A 20081223

Priority

EP 08382086 A 20081223

Abstract (en)

Applicable to ships or ships of all kinds, having a main propeller (2) actuated by an internal combustion engine (10), and a second propeller (2') that rotates contrary to the first, having a secondary shaft associated to the secondary propeller (2') and coaxially assembled on the primary shaft, forming a shaft line (4), the secondary shaft being related to the primary shaft through a set of conveniently lubricated conical transmission crown wheels housed within a case (5), which cause the movement transmitted by said internal combustion engine (10) to be transmitted to both shafts and with different directions of rotation. Additionally, an electric engine (6) acts on the aforementioned transmission, which may be inoperative, operate jointly with the internal combustion engine (10) or operate in an isolated manner while said combustion engine is stopped, in order to increase the power of the ship, reduce its speed and/or reduce the acoustic contamination of the ship's power unit.

IPC 8 full level

B63H 5/10 (2006.01); **B63H 23/14** (2006.01)

CPC (source: EP)

B63H 5/10 (2013.01); **B63H 23/14** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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