

Title (en)

SELF-ORIENTING MARINE WIND TURBINE WITH TWO ALTERNATORS

Title (de)

SELBSTAUSRICHTENDE MEERESWINDTURBINE MIT ZWEI WECHSELSTROMGENERATOREN

Title (fr)

EOLIENNE MARINE AUTO-ORIENTABLE À DEUX ALTERNATEURS

Publication

**EP 4295038 A1 20231227 (FR)**

Application

**EP 22705546 A 20220216**

Priority

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- EP 2022053837 W 20220216

Abstract (en)

[origin: WO2022175339A1] The invention relates to a self-orienting marine wind turbine (1) comprising a floating platform, at least one mast (21) on which is fixed a nacelle (4) comprising a hub (40) with horizontal axis X and connected to blades (3), characterised in that the hub (40) cooperates with a rotor (50) of two alternators (5) and in that the hub is formed of a hollow axle (401) or a hollow axial cylinder (42) suitable for maintenance by a standing man. This feature makes it possible to completely overhaul the structure of the nacelle with the possibility of increasing the overall power of the rotor. Hence, the same power can be obtained with smaller alternators. In this way, for a total wind turbine power of 6 MW, each alternator will make only 3 MW each, the diameter thus decreasing from 7 m to less than 5 m.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2022175339A1

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