

Title (en)

ROTOR FOR A VERTICAL-AXIS WIND TURBINE

Title (de)

ROTOR FÜR EINE WINDTURBINE MIT VERTIKALER ACHSE

Title (fr)

ROTOR POUR ÉOLIENNE A AXE VERTICAL

Publication

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Application

EP 14793881 A 20140929

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- FR 2014052450 W 20140929

Abstract (en)

[origin: WO2015044615A1] The invention concerns a rotor for a vertical-axis wind turbine comprising a support structure (6) for a series of blades (7) distributed at the periphery of the structure and each comprising a wing (13) having a leading edge (14) linked to a trailing edge (15) by a body (16) delimiting an outer face (17) and an inner face (18), and a baffle (21) extending separated from the leading edge of the wing and facing the inner face (18) of the wing (13) over a limited length in order to delimit, with the wing (13), an air inlet corridor (25). According to the invention, for each blade, the baffle (21) has an outer edge (22) located in the extension of the chord line to delimit the inlet of the air inlet corridor (25), the baffle extending facing the inner face (18) of the wing in order to delimit, with the wing, an air inlet corridor (25) of which the width decreases from the leading edge (14) towards the trailing edge (15).

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