

Title (en)

SUPPORTING ARM FOR THE BLADES OF WIND TURBINES WITH A VERTICAL ROTATIONAL AXIS

Title (de)

TRÄGERARM FÜR DIE FLÜGEL VON WINDTURBINEN MIT SENKRECHTER DREHACHSE

Title (fr)

BRAS DE SUPPORT DESTINÉ AUX PALES DE TURBINES ÉOLIENNES PRÉSENTANT UN AXE DE ROTATION VERTICAL

Publication

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Application

**EP 08758531 A 20080515**

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Abstract (en)

[origin: WO2008141763A2] The invention relates to a supporting arm for the blades of wind turbines with a vertical rotational axis, said arm being situated substantially along a radius between the hub (1) or the bearing organ of the turbine and each of the blades (3) that lie at a corresponding distance from said hub. The cross-section (2s) of the arm is substantially symmetrical about a horizontal axis and is formed by a front convex surface (2a) and a rear concave surface (2b) according to the rotational direction (R) of the rotor. Said cross-section (2s), whether it be the concave or the convex surface, takes the form of an arc, a parabola, a nose cone or a leading edge of a blade profile.

IPC 8 full level

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Citation (search report)

See references of WO 2008141763A2

Cited by

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