

Title (en)

WIND POWER PLANT STRUCTURE

Title (de)

STRUKTUR FÜR EINE WINDKRAFTANLAGE

Title (fr)

STRUCTURE D'INSTALLATION D'ÉNERGIE ÉOLIENNE

Publication

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Application

**EP 11819470 A 20110818**

Priority

- FI 20105890 A 20100826
- FI 2011050725 W 20110818

Abstract (en)

[origin: WO2012025667A1] The invention relates to a wind power plant structure including a rotor (1) with a hub (2) and blades supported thereto; a shell (3); a main bearing (4) between the rotor and the shell; and at least one generator (5) coupled to the rotor. According to the invention, the main bearing (4) includes an inner ring (6) mounted in its position on the shell (3); an outer ring (7) mounted to the hub (2) of the rotor; and a bearing (8) between the inner ring and the outer ring. Furthermore, the outer ring encompasses a toothing (9) coupled with the generator (5).

IPC 8 full level

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Citation (search report)

- [X] US 2008207389 A1 20080828 - FAHRENBACH JURGEN [DE], et al
- [A] NL 1026940 C1 20060302 - NEERBOS BART RICHARD VAN [NL]
- See references of WO 2012025667A1

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