

Title (en)
DECOUPLING THE DRIVE SHAFT FROM THE OUTPUT SHAFT BY MEANS OF A TWO-STAGE TRANSMISSION IN A WIND POWER PLANT

Title (de)
ENTKOPPLUNG DER ANTRIEBSWELLE VON DER ABTRIEBSWELLE DURCH EIN ZWEISTUFIGES GETRIEBE BEI EINER WINDKRAFTANLAGE

Title (fr)
DESACCOUPLLEMENT DE L'ARBRE D'ENTRAINEMENT ET DE L'ARBRE ENTRAINE PAR UNE TRANSMISSION A DEUX ETAGES D'UNE EOLIENNE

Publication
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Application
EP 08835709 A 20081001

Priority
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• DE 102007047317 A 20071002

Abstract (en)
[origin: WO2009043330A2] The invention relates to a power unit for generating electric power from mechanical power in a wind power plant, comprising a transmission and a generator which are fixedly interconnected. The generator encompasses at least one rotor, at least one stator, and a generator housing that surrounds the rotor and the stator. The transmission has an output stage, an input stage, and a transmission housing that surrounds the input stage and the output stage. The input stage comprises a driving internal gear that has a front side and is mounted in the transmission housing, at least one driving planetary gear which is mounted in the transmission housing by means of a flexible bearing system, and a driving internal sun gear. The output stage comprises an output internal gear that is connected in a rotationally fixed manner to the driving internal sun gear, at least one output planetary gear which is mounted within the front side of the driving internal gear by means of a flexible bearing system, and an output sun gear that is connected in a rotationally fixed manner to the output shaft of the transmission. The output shaft is mounted on the transmission housing or the generator housing.

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