

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)  
DESACCOUPLMENT DE L'ARBRE D'ENTRAINEMENT ET DE L'ARBRE ENTRAINE PAR UNE TRANSMISSION A DEUX ETAGES D'UNE EOLIENNE

Publication  
**EP 2207984 A2 20100721 (DE)**

Application  
**EP 08835709 A 20081001**

Priority  
• DE 2008001592 W 20081001  
• 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.

IPC 8 full level  
**F16H 1/46** (2006.01)

CPC (source: EP US)  
**F03D 15/00** (2016.05 - EP); **F03D 15/10** (2016.05 - EP US); **F16H 1/2836** (2013.01 - EP); **F16H 37/0833** (2013.01 - EP); **F03D 9/25** (2016.05 - EP US); **F05B 2260/40311** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP)

Citation (search report)  
See references of WO 2009043330A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**DE 102007047317 A1 20090409**; DE 112008002664 A5 20100701; EP 2207984 A2 20100721; WO 2009043330 A2 20090409; WO 2009043330 A3 20091001

DOCDB simple family (application)  
**DE 102007047317 A 20071002**; DE 112008002664 T 20081001; DE 2008001592 W 20081001; EP 08835709 A 20081001