

Title (en)  
BEARING ARRANGEMENT FOR A WIND TURBINE

Title (de)  
LAGERANORDNUNG FÜR EINE WINDTURBINE

Title (fr)  
ENSEMBLE PALIER POUR ÉOLIENNE

Publication  
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Application  
**EP 08758987 A 20080603**

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Abstract (en)  
[origin: WO2008148526A2] The invention relates to a bearing arrangement, especially for a wind turbine, for transmitting radial and axial forces, two bearing partners being provided that are twistable relative to one another about an axis. The bearing partners each comprise a support area, between which a bearing block is arranged to be insertable in an actuating direction in order to generate a normal force that acts upon the support areas. The bearing block is connected in a rotationally fixed manner to one of the bearing partners. The aim of the invention is to design an improved bearing arrangement which overcomes the drawbacks of the prior art. In particular, the aim is to design a wear-resistant and maintenance-friendly bearing arrangement for an azimuth bearing of a wind turbine. Furthermore, an optional aim of the invention is to make it possible to simultaneously use the bearing arrangement as an active brake. Said aim is achieved by the features of independent claim 1, according to which a friction lining is disposed between the bearing block and the bearing partner that can be twisted relative to the bearing block. For the first time, this design makes it possible to represent a support of a bearing ring and a bearing rim, the bearing clearance being easy to adjust.

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