

Title (en)

METHOD FOR EXTENDING THE SERVICE LIFE OF A MAIN BEARING ASSEMBLY OF A WIND TURBINE

Title (de)

VERFAHREN ZUR GEBRAUCHSDAUERVERLÄNGERUNG EINER HAUPTLAGERUNGSANORDNUNG EINER WINDKRAFTANLAGE

Title (fr)

PROCÉDÉ POUR PROLONGER LA DURÉE DE VIE D'UN ENSEMBLE PALIER PRINCIPAL D'UNE ÉOLIENNE

Publication

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Application

EP 21789629 A 20211001

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Abstract (en)

[origin: WO2022069736A1] The invention relates to a method for extending the service life of a main bearing assembly (1) of a wind turbine (4), comprising at least one main bearing (10) with a rotation axis (13) with at least one bearing row (2), in which main bearing a rotor shaft (3) of the wind turbine (4) is mounted, wherein the main bearing assembly (1) has at least one stationary bearing ring (7), a circulating bearing ring (8) and rolling elements (9). According to the invention the stationary bearing ring (7) is rotated about the rotation axis (13) of the main bearing assembly (1) to extend the service life or for servicing. Alternatively, only a new stationary bearing ring (7), preferably with at least two bearing ring segments (14) is installed instead of the damaged outer ring (7), in particular without further essential bearing components such as the inner ring being exchanged.

IPC 8 full level

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See references of WO 2022069736A1

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