

Title (en)  
METHOD AND SYSTEM FOR MONITORING A GEARBOX OF A WIND ENERGY INSTALLATION AND CORRESPONDING WIND ENERGY INSTALLATION

Title (de)  
VERFAHREN UND SYSTEM ZUR ÜBERWACHUNG EINES GETRIEBES EINER WINDENERGIEANLAGE UND ENTSPRECHENDE WINDENERGIEANLAGE

Title (fr)  
PROCÉDÉ ET SYSTÈME DE SURVEILLANCE D'UNE TRANSMISSION D'UNE ÉOLIENNE ET ÉOLIENNE CORRESPONDANTE

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Application  
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Abstract (en)  
[origin: WO2013083716A1] The invention relates to a method for monitoring a gearbox (20) of a wind energy installation (12) comprising said gearbox (20) and at least one gearbox fluid circuit (22), in which method at least one particle characteristic variable of particles contained in the gearbox fluid, in particular the quantity and/or the size and/or the type of these particles, is determined by measurement on at least one gearbox position (36, 36', 36'', 36''') in the gearbox (20) and/or by fluid sampling on at least one such gearbox position (36, 36', 36'', 36'''), and a subsequent measurement of the particle characteristic variable of the particles contained in the gearbox fluid is determined in a path of the gearbox fluid circuit (22). Furthermore, at least one operating characteristic variable (n, P, T) is determined, by means of which a current operating state of the wind energy installation (12) and/or of the gearbox (20) at the moment of the at least one measurement is determined, the at least one measurement being evaluated according to the operating state thus determined. The invention further relates to a corresponding computer program product, a corresponding monitoring system for monitoring a gearbox (20) of a wind energy installation (12) and a corresponding wind energy installation (12).

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