

Title (en)

METHOD AND DEVICE FOR DECELERATING A WIND ENERGY CONVERTER ROTOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERZÖGERUNG EINES ROTORS EINER WINDKRAFTANLAGE

Title (fr)

PROCEDE ET DISPOSITIF DE DECELERATION D'UN ROTOR D'UN CONVERTISSEUR D'ENERGIE EOLIENNE

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Application

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Abstract (en)

[origin: DE10153798A1] The invention concerns a method and a device (1) for decelerating a kinematic chain, particularly of a wind energy converter rotor. The invention aims at preventing an unwanted high load, caused by torsional vibrations resulting from a sudden priming of the deceleration torque. Therefor, the primed deceleration torque is gradually increased by means of a braking unit (5) in a predetermined time sequence, based on the natural frequency of the wind energy converter. Thus the possible torsional vibrations can be securely avoided, such that there is timely stoppage and the construction design can be dimensioned on the basis of rotating torques reached by the maximum deceleration torque.

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