

Title (en)

STRAIN AND VIBRATION MEASURING SYSTEM FOR MONITORING ROTOR BLADES

Title (de)

DEHNUNGS- UND VIBRATIONS-MESSSYSTEM ZUR ÜBERWACHUNG VON ROTORBLÄTTERN

Title (fr)

SYSTÈME DE MESURE DE DILATATION ET DE VIBRATION DESTINÉ À LA SURVEILLANCE DE PALES DE ROTOR

Publication

**EP 3652433 A1 20200520 (DE)**

Application

**EP 18740819 A 20180712**

Priority

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- EP 2018069033 W 20180712

Abstract (en)

[origin: WO2019012083A1] The invention relates to an assembly for monitoring and/or controlling a wind turbine. The assembly for monitoring and/or controlling a wind turbine comprises: an arrangement of two strain sensors, in particular three strain sensors, which detects blade bending moments of a rotor blade of a wind turbine in at least two different spatial directions; a first fibre optic vibration sensor for detecting vibrations of the rotor blade in a first spatial direction; and at least one second fibre optic vibration sensor for detecting vibrations of the rotor in a second spatial direction, which differs from the first spatial direction.

IPC 8 full level

**F03D 17/00** (2016.01); **F03D 80/00** (2016.01); **G01M 5/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019012083A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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