

Title (en)

FLEXIBLE EXTENSION FOR WIND TURBINE ROTOR BLADES

Title (de)

FLEXIBLE VERLÄNGERUNG FÜR WINDTURBINENROTORBLÄTTER

Title (fr)

EXTENSION FLEXIBLE POUR PALES DE ROTOR D'ÉOLIENNE

Publication

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Application

EP 18917237 A 20180504

Priority

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Abstract (en)

[origin: WO2019212560A1] The present disclosure is directed to a rotor blade assembly for a wind turbine. The rotor blade assembly includes a rotor blade having surfaces defining a pressure side, a suction side, a leading edge, and a trailing edge extending between a blade tip and a blade root. Further, the rotor blade assembly includes a flexible extension having a first end and a second end. More specifically, the first end is mounted to a surface of the rotor blade and the second end is free. As such, during operation of the wind turbine, the flexible extension passively adjusts with a changing angle of attack of the rotor blade, thereby reducing variations in blade loading.

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