

Title (en)

CONNECTION JOINT FOR A SECTIONAL WIND TURBINE BLADE AND ASSOCIATED METHODS

Title (de)

VERBINDUNGSGELENK FÜR EIN SEGMENTIERTES WINDTURBINENROTORBLATT UND ZUGEHÖRIGE VERFAHREN

Title (fr)

JOINT DE RACCORDEMENT POUR PALE D'ÉOLIENNE EN COUPE ET PROCÉDÉS ASSOCIÉS

Publication

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Application

EP 19724738 A 20190513

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Abstract (en)

[origin: WO2019219139A1] A wind turbine rotor blade includes a first blade section and a second blade section which engage each other across a joint interface. A connection joint couples the first and second blade sections together across the joint interface. The connection joint includes a plurality of eyes provided at the first and second blade sections and a clamp assembly coupled to the eyes across the joint interface. The clamp assembly includes a plurality of clamp supports, at least one retention head on each side of the joint interface, and a plurality of fasteners. Each of the retention heads is formed from a plurality of discrete bridge elements arranged to collectively form the retention head. The modular nature of the retention heads accommodates various misalignments in the elements of the connection joint. A method of assembling a wind turbine blade is also disclosed.

IPC 8 full level

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