

Title (en)

FIBER-REINFORCED COMPOSITE BLANK, FIBER-REINFORCED COMPOSITE COMPONENT, ROTOR BLADE ELEMENT, ROTOR BLADE AND WIND TURBINE AND METHOD FOR PRODUCING A FIBER-REINFORCED COMPOSITE BLANK AND METHOD FOR PRODUCING A FIBER-REINFORCED COMPOSITE COMPONENT

Title (de)

FASERVERBUNDHALBZEUG, FASERVERBUNDBAUTEIL, ROTORBLATTELEMENT, ROTORBLATT UND WINDENERGIEANLAGE SOWIE VERFAHREN ZUM HERSTELLEN EINES FASERVERBUNDHALBZEUGS UND VERFAHREN ZUM HERSTELLEN EINES FASERVERBUNDBAUTEILS

Title (fr)

PRODUIT SEMI-FINI COMPOSITE EN FIBRES, PIÈCE STRUCTURALE COMPOSITE EN FIBRES, ÉLÉMENT DE PALE POUR ROTOR, PALE POUR ROTOR ET ÉOLIENNE AINSI QUE PROCÉDÉ DE PRODUCTION D'UN PRODUIT SEMI-FINI COMPOSITE EN FIBRES ET PROCÉDÉ DE PRODUCTION D'UNE PIÈCE STRUCTURALE COMPOSITE EN FIBRES

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Application

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Abstract (en)

[origin: WO2020043469A1] The invention relates to a fiber-reinforced composite blank (210) for a fiber-reinforced composite component, in particular for a fiber-reinforced composite component of a wind turbine, comprising a layered construction with a form core (220), consisting of or comprising a form core material, and a fiber layer (230a, b) bordering on the form core (220), said fiber layer consisting of or comprising a fiber layer material, and multiple reinforcing rods (240) introduced into the form core (220) and consisting of or comprising a reinforcing material, wherein the reinforcing material has higher stiffness than the form core material. The multiple reinforcing rods (240) are in this context introduced into the form core (220) at an angle to a form core plane. Furthermore, at least one reinforcing rod of the multiple reinforcing rods (240) is introduced into the form core (220) at an angle to a direction normal to the form core plane.

IPC 8 full level

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