

Title (en)

COMPOSITE FIBRE COMPONENT FOR A ROTOR BLADE, DEVICE FOR MANUFACTURING A COMPOSITE FIBRE COMPONENT FOR A ROTOR BLADE AND THE METHOD FOR MANUFACTURING A COMPOSITE FIBRE COMPONENT FOR A ROTOR BLADE

Title (de)

FASERVERBUNDBAUTEIL FÜR EIN ROTORBLATT, FERTIGUNGSEINRICHTUNG EINES FASERVERBUNDBAUTEILS FÜR EIN ROTORBLATT UND VERFAHREN ZUM FERTIGEN EINES FASERVERBUNDBAUTEILS FÜR EIN ROTORBLATT

Title (fr)

ÉLÉMENT COMPOSITE RENFORCÉ DE FIBRES POUR UNE PALE DE ROTOR, DISPOSITIF DE FABRICATION D'UN ÉLÉMENT COMPOSITE RENFORCÉ DE FIBRES POUR UNE PALE DE ROTOR ET PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT COMPOSITE RENFORCÉ DE FIBRES POUR UNE PALE DE ROTOR

Publication

EP 2831409 A1 20150204 (DE)

Application

EP 13709758 A 20130228

Priority

- DE 102012204858 A 20120327
- EP 2013000587 W 20130228

Abstract (en)

[origin: CA2868654A1] The invention relates to a composite fibre component (3, 4, 5) for a rotor blade (2) of a wind power plant (1) having a first surface (12, 14), shaped in a predefined fashion, on a first side (11, 13) of the composite fibre component (3, 4, 5). The composite fibre component (3, 4, 5) according to the invention is developed in such a way that the composite fibre component (3, 4, 5) has a second surface (14, 12), shaped in a predefined fashion, for connecting to a further component (3, 4, 5) for the rotor blade (2) on at least one partial area of a second side (13, 11), facing away from the first side (11, 13), of the composite fibre component (3, 4, 5). The invention also relates to a manufacturing device for manufacturing a composite fibre component (3, 4, 5) for a rotor blade (2) of a wind power plant (1) by using a vacuum infusion method, and to a method for manufacturing a composite fibre component (3, 4, 5) for a rotor blade (2) of a wind power plant (1) by using a vacuum infusion method. The invention also relates to a rotor blade (2) for a wind power plant (1), and to a method for manufacturing a rotor blade (2).

IPC 8 full level

F03D 1/06 (2006.01)

CPC (source: EP US)

B29C 70/48 (2013.01 - US); **B29C 70/68** (2013.01 - US); **B29C 70/681** (2013.01 - US); **F03D 1/0675** (2013.01 - EP US); **B29K 2105/25** (2013.01 - US); **B29K 2823/06** (2013.01 - US); **B29K 2995/0026** (2013.01 - US); **B29L 2031/08** (2013.01 - US); **F05B 2280/6003** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

See references of WO 2013143641A1

Citation (examination)

- DE 102009033165 A1 20110127 - REPOWER SYSTEMS AG [DE]
- US 2011229333 A1 20110922 - FLACH CHRISTIAN [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012204858 A1 20131002; CA 2868654 A1 20131003; CA 2868654 C 20180731; EP 2831409 A1 20150204; US 2014369849 A1 20141218; WO 2013143641 A1 20131003

DOCDB simple family (application)

DE 102012204858 A 20120327; CA 2868654 A 20130228; EP 13709758 A 20130228; EP 2013000587 W 20130228; US 201414475903 A 20140903