

Title (en)

METHODS FOR MANUFACTURING WIND TURBINE ROTOR BLADES AND COMPONENTS THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WINDTURBINENROTORSCHAUFELN UND DEREN KOMPONENTEN

Title (fr)

PROCÉDÉS DE FABRICATION DE PALES DE ROTOR D'ÉOLIENNE ET COMPOSANTS DE CELLES-CI

Publication

**EP 3787873 A1 20210310 (EN)**

Application

**EP 18917277 A 20180503**

Priority

US 2018030828 W 20180503

Abstract (en)

[origin: WO2019212553A1] The present disclosure is directed to methods for manufacturing wind turbine rotor blades and components thereof. In one embodiment, the method includes forming an outer surface of a rotor blade panel from one or more fiber-reinforced outer skins. The method also includes printing and depositing at least one reinforcement structure onto an inner surface of the one or more fiber-reinforced outer skins to form the rotor blade panel, wherein the reinforcement structure bonds to the one or more fiber-reinforced outer skins as the reinforcement structure is being deposited.

IPC 8 full level

**B29C 64/106** (2017.01); **B29C 70/02** (2006.01); **B33Y 10/00** (2015.01); **B33Y 80/00** (2015.01); **F03D 1/06** (2006.01)

CPC (source: EP)

**B29C 64/106** (2017.07); **B29C 70/205** (2013.01); **B29C 70/382** (2013.01); **B29D 99/0028** (2013.01); **B33Y 10/00** (2014.12); **B33Y 70/00** (2014.12); **B33Y 70/10** (2020.01); **B33Y 80/00** (2014.12); **F03D 1/0675** (2013.01); **B29C 70/86** (2013.01); **B29L 2031/085** (2013.01); **F05D 2230/31** (2013.01); **Y02E 10/72** (2013.01); **Y02P 70/50** (2015.11)

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)

**WO 2019212553 A1 20191107**; BR 112020021990 A2 20210126; CA 3098688 A1 20191107; CN 112313064 A 20210202; EP 3787873 A1 20210310; EP 3787873 A4 20211124; MX 2020011601 A 20201203

DOCDB simple family (application)

**US 2018030828 W 20180503**; BR 112020021990 A 20180503; CA 3098688 A 20180503; CN 201880095306 A 20180503; EP 18917277 A 20180503; MX 2020011601 A 20180503