

Title (en)

WIND TURBINE ROTOR BLADE AND METHOD FOR DEICING A WIND TURBINE ROTOR BLADE

Title (de)

WINDENERGIEANLAGEN-ROTORBLATT UND VERFAHREN ZUM ENTEISEN EINES WINDENERGIEANLAGEN-ROTORBLATTES

Title (fr)

PALE DE ROTOR D'ÉOLIENNE ET PROCÉDÉ POUR DÉGIVRER UNE PALE DE ROTOR D'ÉOLIENNE

Publication

EP 2780586 A2 20140924 (DE)

Application

EP 12790856 A 20121116

Priority

- DE 102011086603 A 20111117
- EP 2012072822 W 20121116

Abstract (en)

[origin: CA2854238A1] A wind turbine rotor blade is provided, comprising a rotor blade tip (11), a rotor blade trailing edge (12), a rotor blade root region (14) for fastening the rotor blade to a hub of a wind turbine and a rotor blade tip (13). The rotor blade extends from the rotor blade root region (14) along a longitudinal axis to the rotor blade tip (13). The rotor blade also has an air distributing unit (500) with an adjusting element (540) for directing an air stream into the rotor blade tip region (11) and/or a rotor blade trailing edge region (12).

IPC 8 full level

F03D 11/00 (2006.01); **F03D 1/06** (2006.01)

CPC (source: EP KR US)

F03D 1/0633 (2013.01 - KR); **F03D 1/0675** (2013.01 - EP US); **F03D 80/40** (2016.05 - EP US); **F05B 2260/20** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US)

Citation (search report)

See references of WO 2013072456A2

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 102011086603 A1 20130523; AR 088892 A1 20140716; AU 2012338754 A1 20140619; BR 112014011767 A2 20170509; CA 2854238 A1 20130523; CL 2014001284 A1 20141003; CN 103958890 A 20140730; EP 2780586 A2 20140924; JP 2014533792 A 20141215; KR 20140089610 A 20140715; MX 2014005921 A 20140619; RU 2014124337 A 20151227; TW 201335479 A 20130901; US 2014322027 A1 20141030; WO 2013072456 A2 20130523; WO 2013072456 A3 20130718; ZA 201403867 B 20150826

DOCDB simple family (application)

DE 102011086603 A 20111117; AR P120104321 A 20121116; AU 2012338754 A 20121116; BR 112014011767 A 20121116; CA 2854238 A 20121116; CL 2014001284 A 20140515; CN 201280056782 A 20121116; EP 12790856 A 20121116; EP 2012072822 W 20121116; JP 2014541679 A 20121116; KR 20147016464 A 20121116; MX 2014005921 A 20121116; RU 2014124337 A 20121116; TW 101142921 A 20121116; US 201214358997 A 20121116; ZA 201403867 A 20140527