

Title (en)

A WIND TURBINE WITH A RING AIRFOIL SHROUD HAVING A FLAP

Title (de)

WINDTURBINE MIT RINGFLÜGELHÜLLE MIT EINER KLAPPE

Title (fr)

EOLIENNE POURVUE D'UNE ENVELOPPE ANNULAIRE À PROFIL AÉRODYNAMIQUE PRÉSENTANT UN VOLET

Publication

**EP 2834516 A1 20150211 (EN)**

Application

**EP 13718012 A 20130405**

Priority

- US 201261620792 P 20120405
- US 201361763805 P 20130212
- US 2013035464 W 20130405

Abstract (en)

[origin: US2013266438A1] A ring airfoil with a voluminous leading edge region, an intermediate region, a trailing edge region including a flap. The ringed structural leading edge region combined with a rigid trailing edge region having intermediate discrete support portions extending therebetween provides sufficient rigidity to support the flap on the trailing edge region while using a membrane intermediate surface to form a portion of the intermediate region of the airfoil.

IPC 8 full level

**F03D 1/04** (2006.01)

CPC (source: CN EP US)

**F03D 1/04** (2013.01 - CN EP); **F03D 1/0675** (2013.01 - US); **F05B 2240/122** (2013.01 - CN EP US); **F05B 2240/123** (2013.01 - CN EP US); **F05B 2240/133** (2013.01 - CN EP US); **Y02E 10/72** (2013.01 - CN EP US)

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)

**US 2013266438 A1 20131010**; CA 2869608 A1 20131010; CN 104334872 A 20150204; EP 2834516 A1 20150211; WO 2013152297 A1 20131010

DOCDB simple family (application)

**US 201313857750 A 20130405**; CA 2869608 A 20130405; CN 201380027360 A 20130405; EP 13718012 A 20130405; US 2013035464 W 20130405