

Title (en)

WIND TURBINE COMPRISING MEANS TO ALTER THE SIZE OF THE SURFACE OF THE BLADES

Title (de)

WINDTURBINE MIT VORRICHTUNG ZUR ÄNDERUNG DER SCHAUFELFLÄCHENGROSSE

Title (fr)

TURBINE ÉOLIENNE

Publication

**EP 2232061 A4 20130724 (EN)**

Application

**EP 08867928 A 20081219**

Priority

- SE 2008000735 W 20081219
- SE 0702889 A 20071227
- SE 0801430 A 20080618

Abstract (en)

[origin: WO2009084992A1] The present invention relates to a wind turbine comprising at least one substantially vertical rotatable shaft and at least one blade module, which is connected to the shaft to rotate with the shaft. The blade module comprises at least one substantially vertical arranged blade, wherein the blade comprises at least one surface exposed to the wind and is being arranged to rotate the shaft when influenced by wind. Furthermore, the blade module comprises means by which the size of the surface exposed to the wind of the blade can be varied to adapt the size of the surface exposed to the wind of the blade to wind velocity and/or power output. Further, a modular wind turbine is disclosed.

IPC 8 full level

**F03D 3/06** (2006.01)

CPC (source: EP)

**F03D 3/062** (2013.01); **F05B 2240/31** (2013.01); **F05B 2240/312** (2013.01); **F05B 2240/313** (2013.01); **F05B 2240/40** (2013.01); **Y02E 10/74** (2013.01)

Citation (search report)

- [X] WO 9720142 A1 19970605 - POPESCU ION [RO]
- [XY] US 1578835 A 19260330 - KOTHE LOUIS E
- [XP] WO 2008002149 A1 20080103 - SKJELVAN JOHN ROBERT [NO]
- [Y] JP 2004270673 A 20040930 - KIKUCHI AKIO
- [Y] JP 2003247483 A 20030905 - KATORI HIROSHI
- See references of WO 2009084992A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2009084992 A1 20090709**; EP 2232061 A1 20100929; EP 2232061 A4 20130724

DOCDB simple family (application)

**SE 2008000735 W 20081219**; EP 08867928 A 20081219