

Title (en)
WIND TURBINE COMPRISING ELASTICALLY FLEXIBLE ROTOR BLADES

Title (de)
WINDENERGIEANLAGE MIT ELASTISCH BIEGSAMEN ROTORBLÄTTERN

Title (fr)
EOLIENNE A PALES ELASTIQUEMENT FLEXIBLES

Publication
EP 1789677 A1 20070530 (DE)

Application
EP 05791823 A 20050905

Priority
• DE 2005001547 W 20050905
• DE 102004045401 A 20040918

Abstract (en)
[origin: WO2006029593A1] The invention relates to a wind turbine comprising a tower (10), a nacelle (14) that is mounted on the tower (10) and can be rotated about the axis of the latter and a rotor (16), which is carried by the nacelle (14) on the lee side and comprises at least one rotor blade (18). The flexural strength of the rotor blade or blades (18) permits the elastic flexure of said blade by more than half of its extension.

IPC 8 full level
F03D 1/06 (2006.01)

CPC (source: EP US)
F03D 1/0608 (2013.01 - EP US); **F05B 2240/2022** (2013.01 - EP US); **F05B 2240/2213** (2013.01 - EP US); **F05B 2240/311** (2013.01 - EP US); **F05B 2280/5001** (2013.01 - EP US); **F05B 2280/6003** (2013.01 - EP US); **F05C 2251/02** (2013.01 - EP US); **F05C 2253/04** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US)

Citation (search report)
See references of WO 2006029593A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006029593 A1 20060323; CN 1997822 A 20070711; DE 102004045401 A1 20060330; EP 1789677 A1 20070530; US 2007098555 A1 20070503

DOCDB simple family (application)
DE 2005001547 W 20050905; CN 200580019000 A 20050905; DE 102004045401 A 20040918; EP 05791823 A 20050905; US 61131906 A 20061215