

Title (en)
DIFFUSER-AUGMENTED WIND TURBINE

Title (de)
DIFFUSORVERBESSERTE WINDTURBINE

Title (fr)
EOLIENNE A ACCROISSEMENT DE DIFFUSION

Publication
EP 1834087 A4 20091021 (EN)

Application
EP 04814763 A 20041217

Priority
US 2004042620 W 20041217

Abstract (en)
[origin: WO2006065248A2] A diffuser-augmented wind-turbine assembly in which the diffuser has a cylindrical central section rotatably supporting a rotor drum which in turn supports turbine blades without requiring a central support shaft. Wind energy drives the turbine blades and rotor drum, which in turn drive a generator of electrical power.

IPC 8 full level
F03D 9/00 (2006.01); **H02P 9/04** (2006.01)

CPC (source: EP US)
F03D 1/0658 (2013.01 - EP); **F03D 9/25** (2016.05 - EP US); **F03D 13/20** (2016.05 - EP US); **H02K 7/183** (2013.01 - EP); **F05B 2240/133** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP); **Y02E 10/728** (2013.01 - EP)

Citation (search report)

- [X] DE 10208588 A1 20030911 - KBE WINDPOWER GMBH [DE]
- [X] US 2003193198 A1 20031016 - WOB BEN ALOYS [DE]
- [X] US 4720640 A 19880119 - ANDERSON BJORN M S [US], et al
- See references of WO 2006065248A2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006065248 A2 20060622; WO 2006065248 A3 20070412; CA 2590918 A1 20060622; EP 1834087 A2 20070919; EP 1834087 A4 20091021

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US 2004042620 W 20041217; CA 2590918 A 20041217; EP 04814763 A 20041217