

Title (en)
DIFFUSER-AUGMENTED WIND TURBINE

Title (de)
DIFFUSORVERSTÄRKTE WINDTURBINE

Title (fr)
ÉOLIENNE À ACCROISSEMENT DE DIFFUSION

Publication
EP 1834087 A2 20070919 (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)

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Designated extension state (EPC)
AL BA HR LV MK YU

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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