

Title (en)
INFLATABLE WIND TURBINE

Title (de)
AUFBLASBARE WINDTURBINE

Title (fr)
EOLIENNE GONFLABLE

Publication
EP 2438297 A2 20120411 (EN)

Application
EP 10728035 A 20100603

Priority
• US 2010037251 W 20100603
• US 18374909 P 20090603
• US 55544609 A 20090908

Abstract (en)
[origin: WO2010141715A2] A wind turbine has an impeller surrounded by a shroud. The shroud is formed from inflatable components extending between two rigid structural members. When inflated, the shroud acts to increase the energy generated by the impeller. Under adverse wind conditions, the inflatable components can be deflated to reduce surface area and wind load on the turbine.

IPC 8 full level
F03D 1/04 (2006.01)

CPC (source: EP US)
F03D 1/04 (2013.01 - EP US); **F05B 2240/133** (2013.01 - EP); **F05B 2240/98** (2013.01 - EP); **F05B 2250/182** (2013.01 - EP); **F05B 2280/4003** (2013.01 - EP); **F05C 2225/00** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP)

Citation (search report)
See references of WO 2010141715A2

Citation (examination)
• CA 2431700 A1 20041206 - DRESSLER LYLE [CA]
• FR 2339753 A1 19770826 - SOULIE WANCESLAS [FR]
• WO 2010006433 A1 20100121 - BILANIUK NYKOLAI [CA]
• WO 9420710 A1 19940915 - SENANAYAKE DAYA RANJIT [LK]

Cited by
CN104689747A

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010141715 A2 20101209; WO 2010141715 A3 20110519; AU 2010256544 A1 20120112; CA 2763897 A1 20101209; CN 102597502 A 20120718; EP 2438297 A2 20120411

DOCDB simple family (application)
US 2010037251 W 20100603; AU 2010256544 A 20100603; CA 2763897 A 20100603; CN 201080031297 A 20100603; EP 10728035 A 20100603