

Title (en)

METHOD OF OPERATING WIND TURBINE AND CONTROLLER THEREOF

Title (de)

VERFAHREN ZUM BETREIBEN EINER WINDTURBINE UND STEUERUNG DAFÜR

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE ÉOLIENNE ET DISPOSITIF DE COMMANDE ASSOCIÉ

Publication

EP 2776711 A1 20140917 (EN)

Application

EP 11869709 A 20110721

Priority

CN 2011077432 W 20110721

Abstract (en)

[origin: WO2013010332A1] A method of operating a wind turbine (100) is provided. The wind turbine (100) comprises a rotor (130) having a plurality of blades (140), wherein the pitch of each blade (140) is variable. The method comprises decreasing the power output of the wind turbine (100) by a predefined amount by increasing the rotational speed of the rotor (130) to a predetermined rotor speed, determining if the predetermined rotor speed exceeds a maximum rotor speed, and if the predetermined rotor speed exceeds the maximum rotor speed, limiting the rotational speed of the rotor (130) to the maximum rotor speed and decreasing the power output of the wind turbine (100) by varying the pitch of at least one of the plurality of blades (140).

IPC 8 full level

F03D 7/02 (2006.01); **F03D 7/04** (2006.01)

CPC (source: EP)

F03D 7/0276 (2013.01); **F03D 7/0284** (2013.01); **F05B 2270/101** (2013.01); **F05B 2270/1033** (2013.01); **F05B 2270/32** (2013.01); **F05B 2270/328** (2013.01); **F05B 2270/335** (2013.01); **F05B 2270/337** (2013.01); **Y02E 10/72** (2013.01)

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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013010332 A1 20130124; CN 103732914 A 20140416; CN 103732914 B 20160518; EP 2776711 A1 20140917; EP 2776711 A4 20150805

DOCDB simple family (application)

CN 2011077432 W 20110721; CN 201180072938 A 20110721; EP 11869709 A 20110721