

Title (en)  
WIND TURBINE COMPRISING AN AIR INLET ASSEMBLY

Title (de)  
WINDENERGIEANLAGE MIT LUFTEINLASSANORDNUNG

Title (fr)  
ÉOLIENNE MUNIE D'UN SYSTÈME D'ENTRÉE D'AIR

Publication  
**EP 2274516 A2 20110119 (DE)**

Application  
**EP 08749404 A 20080508**

Priority  
EP 2008003716 W 20080508

Abstract (en)  
[origin: WO2009135509A2] The invention relates to a wind turbine comprising a tower, a nacelle which is located at the upper end of the tower, is rotatably mounted in relation to the vertical tower axis and has an interior that is delimited by a housing, a rotor that is mounted rotatably in relation to the nacelle, runs transversally to the tower axis and can be made to rotate about the rotor axis by an air stream that impinges on the rotor in a flow direction running approximately parallel to the rotor axis, the nacelle housing having a convex or level flow conduction surface for an air stream flowing in the flow direction and an air inlet assembly located on the housing with an air inlet for supplying air to the interior. The air inlet assembly has a recess in the flow conduction surface extending towards the air inlet opening in the flow direction and the air inlet opening is located between a delimitation surface of the recess and the adjoining region of the flow conduction surface.

IPC 8 full level  
**F03D 11/00** (2006.01)

CPC (source: EP US)  
**F03D 1/02** (2013.01 - EP); **F03D 1/04** (2013.01 - EP US); **F03D 9/25** (2016.05 - EP US); **F03D 13/10** (2016.05 - EP US); **F03D 80/60** (2016.05 - EP); **F05B 2240/14** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP)

Citation (search report)  
See references of WO 2009135509A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009135509 A2 20091112; WO 2009135509 A3 20091230; EP 2274516 A2 20110119**

DOCDB simple family (application)  
**EP 2008003716 W 20080508; EP 08749404 A 20080508**