

Title (en)  
HORIZONTAL AXIS RADIAL WIND TURBINE

Title (de)  
RADIALWINDTURBINE MIT HORIZONTALER ACHSE

Title (fr)  
ÉOLIENNE RADIALE À AXE HORIZONTAL

Publication  
**EP 2496834 A4 20140709 (EN)**

Application  
**EP 10829006 A 20101103**

Priority  
• US 25757809 P 20091103  
• US 2010055239 W 20101103

Abstract (en)  
[origin: WO2011056835A1] A wind turbine and housing combination may include a horizontal axis radial wind turbine and a housing surrounding the turbine. The turbine may include an axle, a plurality of blade sections extending radially from the axle, and a generator operatively coupled to a first end of the axle. Each blade section may include a curved drag surface that provides a stall surface normal to the direction of an anticipated wind flow. The generator may be adapted to produce electricity when the axle is rotated. The housing may include a plurality of louvers and a motor operatively coupled to the plurality of louvers. Each louver may be capable of having (i) a closed position that prevents wind from entering the housing and (ii) an open position that permits wind to enter the housing. The housing may be adapted to be attached to an apex of a gable roof of a building.

IPC 8 full level  
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Citation (search report)  
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