

Title (en)  
COLLAPSIBLE VERTICAL-AXIS WIND TURBINE

Title (de)  
WINDTURBINE MIT VERTIKALER KLAPPACHSE

Title (fr)  
EOLIENNE RABATTABLE A AXE VERTICAL

Publication  
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Application  
**EP 19725080 A 20190514**

Priority  
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Abstract (en)  
[origin: WO2019219702A1] The present invention relates to a collapsible wind turbine (10) comprising a turbine (30) with a vertical axis (A). The turbine is supported by a vertical pylon (20), pivotably mounted about a hinge (22), and by linking members (43, 41) connecting the rotation shaft of the turbine to the pylon while maintaining a separation therebetween. The wind turbine comprises: - an electricity generator (70) of which the axis of rotation is perpendicular to the longitudinal axis of the pylon, the generator being secured to the ground; and - at least one flexible link (60) connecting and synchronising the rotation of the generator with the rotation shaft of the turbine by linear travel of said flexible link in a closed-circuit path, so as to drive the rotation shaft of the generator by the movement of the turbine. The field of the invention is, in particular, that of land-based wind turbines in a cyclone-prone area.

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Citation (search report)  
See references of WO 2019219702A1

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