

Title (en)
WIND TURBINE BLADE

Title (de)
WINDTURBINENBLATT

Title (fr)
PALE D'ÉOLIENNE

Publication
EP 2171270 A1 20100407 (EN)

Application
EP 08770707 A 20080611

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Abstract (en)
[origin: WO2008157174A1] A turbine blade (10) and turbine blade arrangement (5) for extracting energy from a moving fluid are described. A Savonius-type rotor assembly incorporates a turbine blade (10) and/or a turbine blade arrangement (5) where the blades (10, 10') may be twisted to generally form a helix. The cross sectional profile for the blades (10, 10') may represent an airfoil, and may be asymmetric. In some embodiments, the cross sectional profile remains substantially constant over the length of each blade (10,10'). Turbines utilizing the described blade (10) and blade arrangement (5) may be self starting and may have a relatively smooth torque profile throughout the entire rotational path. The blades (10, 10') and blade arrangement (5) may extract energy from a moving fluid through both lift and drag forces.

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Citation (search report)
See references of WO 2008157174A1

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