

MD.10.

Title

Vertical Axis Wind Turbine With Power Control

Authors

BOSTAN Viore; DULGHERU Valeriu; CIOBANU Oleg; RABEI Ivan.

Institution

Technical University of Moldova

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The invention relates to renewable energy, namely to vertical-axis wind turbines with power control and can be used to transform wind energy into electricity.

Description

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The proposed technical solutions ensure turbine's power control and protection of its mechanical components from overload by aerodynamic and mechanical braking.

The technical solutions proposed in the invention allow:

The protection of electrical generator from overload through automatic power control;
High reliability of the dynamic mechanical parts of the vertical axis wind turbine.

Class no.

2. Energy and sustainable development