

MD.8.**Title****Aerodynamic wind rotor with vertical axis with variable angle of attack****Authors**

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The field of research refers to the creation of wind energy conversion devices, namely to the wind turbines with vertical axis.

**Description
EN**

The wind turbine with vertical axis includes a tower on which a rotary shaft with blades with an inclined aerodynamic profile is installed, the ends of which by means of V-class kinematic couplings are coupled with a rotary shaft connected to the permanent magnet generator.

The V-class kinematic couplings have a common axis and ensure the variation of the angle of attack depending on the speed of the air flow in automatic mode.

Class no.