

## WIND INSTALLATION WITH HORIZONTAL AXE OF 3 KW (UPDATED)



*Modernization of wind turbine by increase in its diameter, rotating head for free orientation of wind turbine in wind direction and change of moment transfer direction from a horizontal plane in vertical, generator section in structure of planetary reducer and asynchronous generator is executed. The control and protection system of an electric part of installation is improved.*

*The installation tower is equipped with platform and stairway .*

Novelty of development. A voltage stabilizer of the asynchronous generator with low rotation speed. *The positive decision on delivery of the patent nr.5846 from 2008.03.02.*

*Applications:*

- 1 A wind turbine for a gusty wind. Cl. F03D 1/00 a2007 0113.
- 2 A wind installation with turbine of the big diameter. **Int. 7** F03D 3/04 a2007 0109.

Characteristics:

*Height H=17.0 m,*

*Diameter of wind turbine -5.4 m,*

*Number of blades – 12,*

*Electric capacity (at wind speed of 8 m/s) - 3 kW.*

*Installation is mounted for performance of cycle of experimental researches.*

Estimation of home market.

*Volume of a home market - 1500 installations.*