

**MD.13.****Title**

**Industrial prototype of horizontal axle power wind turbine with windroze wheeled and heat generator**

**Authors**

Bostan Ion, Dulgheru Valeriu, Bostan Viorel, Sobor Ion, Sochireanu Anatol, Vaculenco Maxim, Bodnariuc Ion, Dicusară Ion, Ciobanu Oleg, Ciobanu Radu, Trifan Nicolae, Odainâi Valeriu, Crudu Radu, Guțu Marin, Gladîș Vitalie, Porcescu Gavril

**Institution**

**Technical University of Moldova**

**Patent no.**

MD660Y, 661Y, 681Y, 4212, 4213

**Description EN**

Aeolian turbine include three blades rotor with aerodynamic asymmetric profile. The wind orientation of the turbine is doing through a two-wheeled windroze linked by a reducer with turbine nacelle. The power of 10 kW is produced at wind speed of 11 m/s.

**Class no.**

2. Energy and sustainable development