

97-0136

The invention relates to wind-power engineering, particularly, to the devices using wind power for driving the electric generators, water lifts, mills, pumps and other machines.

Summary of the invention consists in the fact, that the wind-driven electric plant comprises a rotor with some blades, vertical installed into the bearing supports, current generator mounted in the rotor lower part, braking and control device. There are installed four main blades, by that they are placed pairwise in a such manner that the angle between the main blades in the pair makes up 40-70°, and the angle between the pairs makes up 110-140°. Each main blade is provided with one or several additional blades of the identical profile, adjoined to the main blade external surface. The additional blades are provided with a drive, providing moving thereof in the radial direction. The base and the upper edge of each main blade are distanced from the rotor axle and fixed thereto by means of the manufactured telescopic links. The additional blade frontal edge overlaps the main blade frontal edge.

The technical result consists in a considerable augmentation of the blades blasting surface and as a result in torque rising

Claims: 3

Fig.: 4