

The invention relates to wind-power engineering, namely to horizontal axis wind turbines, and can be used for converting wind energy into electric energy, with automatic power control.

The wind turbine, according to the invention, comprises a tower (1), on which is installed a nacelle (2), in which is mounted a rotor (3) with three blades (4) with aerodynamic profile and an electric generator (5). On the aerodynamic surface of the blade (4), in the zone with the maximum aerodynamic effect (I), is hinged at least one adjustable peripheral flap, one end of which is connected by a hinge to the surface of the blade (4). The flap is connected by a hinge to one end of the lever, the opposite end of which is rigidly attached to one end of the other lever and connected by a hinge to the support structure of the blade (4), and on the free end of the lever is fixed an inertial element. The lever is connected by an elastic element to the support structure of the blade (4).

Claims: 2

Fig.: 7

