

The invention relates to wind energy-to-electrical energy conversion devices, in particular to vertical axis wind turbines with power control.

The wind turbine, according to the invention, comprises a support tower (1), on the platform (2) of which is installed by means of a bearing (3) a vertical rotating shaft (4), one end of which is connected to a generator with permanent magnets (5), and the other end, by means of levers (7) and tubular levers (10), is connected to inclined blades (8), according to the first embodiment, or to vertical blades, according to the second embodiment. The lower part of the inclined blades (8) or vertical blades is rigidly connected by means of rods (7) to a lower bushing (6), rigidly fixed on the shaft (4), and the upper part of the inclined blades (8) or vertical blades is rigidly connected by means of tubular rods (10) to an upper bushing (9), installed on the shaft (4). Inside the tubular rods (10) are placed inertial elements (11), connected by means of elastic elements (12) to the upper bushing (9).

Claims: 2

Fig.: 6

