

The invention relates to wind-power engineering and can be used in the renewable energy conversion systems, namely for conversion of wind energy.

The wind turbine includes a rotor with blades (1) with an aerodynamic profile, fixed on a hub (2) with a flange, installed on a spline shaft (3) with a flange (4), in a nacelle (8), with the possibility of axial advance, a permanent magnet generator (11), the rotor of which is rigidly connected to the spline shaft (3), flanges (7) rigidly fixed to the nacelle (8), kinematically connected to a tower (9), wherein between the flange of the hub (2) and the flange (4) of the spline shaft (3) is placed a resilient member (5), and on the outer parts of the hub (2) flange and the flange (7) are fixed brake members (6) and (10) respectively.

Wind turbine, wherein inside the hub (2) is rigidly installed a disk (12), wherein are made at least two radial grooves (13), inside which are placed inertial elements (14), which communicate with the hub (2) by means of resilient members (15), with the possibility of displacement along the grooves (13), and on the outer surface of the inertial elements (14) and the inner cylindrical surface of the nacelle (8) are fixed brake members (16) and (18) respectively.

Claims: 2

Fig.: 3

