

The invention relates to wind-power engineering, namely to devices for converting wind energy into electrical energy. The wind turbine comprises a mast (1), on which is installed with the possibility of rotation around its axis a rotor with aerodynamic blades (7), fixed on an input shaft (6), connected to an electric current generator (5), including a mechanism (3) for transferring the current produced by the generator (5), and a safety mechanism (2) of the generator (5). Each aerodynamic blade (7) is equipped on its ledge with a longitudinal groove (a) of semicircular shape, open outward, with a radius of  $(0.0125 - 0.0135)L$ , the center of which is placed on the continuation of the aerodynamic profile contour at a distance of  $(0.56 - 0, 58)L$  from the attack board, where  $L$  is the length of the blade (7) chord.

Claims: 2

Fig.: 6

