

The invention relates to the wind-power engineering and can be used for windmills with vertical axle.

The windmill turbine fin comprises a part of bent sheet material, elements for fin fixation to the vertical shaft of the turbine and a bearing wheel (4) with horizontal axle, fixed to the fin. The fin also comprises a part with at least three vents (2), with the possibility of opening in both directions and which are placed in a row in a vertical line. The wheel (4) with horizontal axle is installed in the middle of the outer vertical part of the fin (1), and onto the bent part of the fin there is installed a capacity (3) with liquid lubricant (6) and with a hydraulic lock, the tube (5) of which serves for oiling the axle of the bearing wheel.

The end of the tube for oiling may have a reduced surface of the cross-section.

The fin may comprise a temperature-sensitive element, placed onto the axle of the wheel (4), an amplifier and an electromagnetic valve, placed onto a tube for air entry into the capacity (3) with liquid lubricant (6).

Claims: 3

Fig.: 2

