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The invention relates to the mechanical engineering, in particular to devices for wind power conversion into another type of power.

The wind turbine includes a vertical axle, a blade fixed to it and a blade position controlling mechanism. Novelty consists in that the wind turbine contains at least one supplementary axle, placed parallel to the vertical axle and freely mounted onto the superior and inferior cantilevers fixed to it. Onto the supplementary axle, in its upper part, it is rigidly fixed a vane, and in the middle part it is freely mounted a blade. The blade position controlling mechanism includes a lever, placed under the blade and rigidly fixed onto the supplementary axle, perpendicular to it, a stop, fixed onto the lever and adjoined to the lower part of the roller, fixed onto the lower crosspiece of the blade, the axle of the roller being parallel to the supplementary axle. The middle part of the roller is embraced by a fork, fixed onto a holder freely installed onto the lever with the possibility of kinematic alternative coupling with the bearing rollers, symmetrically fixed about the supplementary axle onto the inferior cantilever, and the fork is additionally fixed by a spring to the free end of the lever.

Claims: 1
Fig.: 3