

ABSTRACT OF THE DISCLOSURE

Wind wheel

A wind wheel having a vertical axis of rotation (7) is described, comprising a rotor (1) with a vertical shaft (2) and at least one support arm (4) which extends diametrically to the shaft (2) and is provided with blades (5) on both sides of the shaft (2) and is rotatably supported about the longitudinal axis thereof relative to the shaft (2), with the blades (5) on both sides of the shaft (2) being arranged at an angular offset from each other about the longitudinal axis of the support arm (4) and having a centroid of their areas of wind attack which lies at a radial distance from the longitudinal axis of the support arm (4). In order to achieve advantageous blade adjustments it is proposed that the blades (5) are mounted on the support arm (4) thereof so as to be rotatable about an axis (9) perpendicular to the radial distance of the centroid and to the longitudinal axis of the support arm (4).

(Fig. 1)