

The invention relates to the power engineering, in particular to the hydraulic stations using the water flow kinetic energy.

The hydraulic turbine contains, placed onto a frame 1, fixed onto an abutment with the possibility of regulating its position about the water flow level, a vertical bearing axis 5, onto which there are radially fixed horizontal bars 9 with blades 8. Novelty consists in that the number of blades is odd, and each blade, the surface of which is made airfoil, is mounted with the possibility of rotating onto the axis, vertically fixed onto the free end of each of the horizontal bars. The turbine additionally contains a device regulating the blade position, including the mechanism of their rotation 12 and, joined with it, a transducer 11, determining the water flow direction, which is made in the form of plate, freely fixed onto the vertical axis in front of the turbine about the water flow direction. The transducer 11, determining the water flow direction, may be placed between the floating elements 4, fixed onto the frame 1, on both ends of the turbine, longitudinally about the water flow direction.

Claims: 2

Fig.: 3

