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The invention relates to machines for converting mechanical energy into useful work in general and, in particular, to heat generators for direct conversion of mechanical work produced by a wind working body into thermal energy by means of eddy currents.

The wind heat generator with eddy currents comprises two glasses (1 and 2), which form an outer and, accordingly, an inner armature jacket, in which the heat-transfer agent circulates. In the space formed between the jackets is placed an inductor (3) of the heat generator, made of non-ferromagnetic material, in the longitudinal grooves of which are installed permanent magnets. The liquid heat-transfer agent, circulating in the armature jackets, forms a closed circuit in the mechanical energy-to-thermal energy conversion system, with the inlet through an inlet branch pipe (5) and the outlet from the heat generator through an outlet branch pipe (6). At the same time, the inductor (3) is installed on a central shaft (7), driven by an engine (16), which can be a wind or hydraulic working body, an internal combustion engine, etc.

Claims: 3
Fig.: 4