Introduction of NVC wind-heating generator

In this paper, a heat generator with fluid agitation is developed and experimentally studied.

Abstract In this paper, we study the input torque of a permanent magnet eddy current heater (PMECH) as the main important parameter to generate heat directly from wind energy.

Abstract This research focuses on assessing the heat generator design for wind thermal energy conversion technology, in which wind power is directly converted into heat.

The Eddy Current of Water Heating (ECWH) system introduces a pioneering approach for converting wind en-ergy into heat, marking a significant step in renewable energy technology.

Using renewable energy for heating has attracted more attentions in recent years. In this study, a novel wind-to-heat system that uses the wind turbine to drive the compressor directly, is ...

Changing the magnetic field on a conductor metal can induce eddy currents, which cause heat generation. In this paper, we use this idea to convert wind energy into thermal energy directly.

In this paper, we aim to provide hot water by means of PMECH driven by a wind turbine.

licencing conditions of any quotes, images or other material cited to a third party. ABSTRACT The focus of this research is a techno-economic assessment of a wind-powered thermal energy system ...

In this paper, a device called Permanent Magnet Eddy Current Heating (PMECH) with the different magnet areas coupled by a vertical axis wind turbine will be tested to produce heat from ...

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