



# Electromagnetic energy storage heating patent

A heating furnace and electromagnetic technology, applied in the direction of electric heating system, heating method, lighting and heating equipment, etc., can solve the problems of ...

Heat energy storage systems described herein can be used for long-term storage of large amounts of thermal energy. In some cases, such systems receive electrical energy from ...

Systems and methods including modular electromagnetic heating systems enable heating of articles using electromagnetic energy. The systems include a primary processing vessel ...

The present invention relates to an electric heating device, in particular, it relates to an electromagnetic induction heat-storing device closely related to human life, and is mainly ...

An energy storage device and electromagnetic induction technology, which is applied in the field of indoor heating, can solve the problems of slow heating of water sources, etc., and achieve the effect of constant water ...

A zero-carbon footprint heating system for a fluid and conditioned air uses electromagnetic energy created by one or more magnetrons operated by high voltage transformers. The heating...

A phase-change energy storage and electromagnetic technology, which is used in thermal storage heaters, fluid heaters, lighting and heating equipment, etc. It can solve the problems of ...

Abstract: A heating system for hot water and conditioned air uses electromagnetic energy created by one or more magnetrons operated by high voltage transformers. The heating system ...

The present invention relates to the technical field of energy storage devices, and in particular to an electromagnetic induction heating fluidized bed, a heat storage energy storage...

This chapter presents the working principles and applications of electrostatic, magnetic and thermal energy storage systems. Electrostatic energy storage systems use ...

The results show that, in terms of technology types, the annual publication volume and publication ratio of various energy storage types from high to low are: electrochemical ...

Abstract: An RF generation system is provided for an electromagnetic cooking device having a cavity. The system includes: a signal generator for generating an input RF ...



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An electromagnetic induction heating electronic cigarette, comprising a suction action sensing module (20), a cigarette container for inserting a cigarette, an alternating magnetic field ...

The invention discloses a kind of phase-change energy storage type electromagnetic boilers, it includes heating furnace body, electromagnetic heater, medium circulation fuel tank, circulating ...

The utility model belongs to the technical field of electromagnetic heat storage equipment, and particularly relates to an energy-saving electromagnetic heat storage device for a high-voltage ...

An energy storage water tank, electromagnetic induction technology, applied in water heaters, lighting and heating equipment, fluid heaters, etc., can solve the problems of affecting the heating efficiency, affecting the heat ...

An energy-circled automatic electromagnetic constant temperature heat exchange water-storage closet device is disclosed capable for automatically electromagnetically keeping hot water at a ...

Definitions My invention relates to a method and a machine for welding by resistance, operating by storage of electromagnetic energy. Machines of this general type comprise, in

Heat transfer systems and methods are provided. In one example, a heat exchanger apparatus includes: an enclosure defining an interior; an induction coil within the interior; and a plurality of ...

The example implementations advance the art of thermal energy storage and enable the practical construction and operation of high efficiency thermal energy storage systems which are ...

An electromagnetic heating method is proposed for proximity or vicinity heating. A microwave heating method is proposed for systems and/or apparatuses combining microwave energy ...

In the search for highly efficient, effective, emission-free and environmentally friendly ways of heating buildings and spaces, the possibilities afforded by the use of electromagnetic induction ...

Plasmonics for Data Storage and Biomedicine Recent research systematically analyzes patent disclosures concerning plasmonic structures, devices, and integrated applications, ...

An electromagnetic energy propulsion engine system including a hollow housing having a front part (50) and a rear end part (4) of material transparent to the passage of electromagnetic ...

Several of the prior chapters in this text have shown that there is a wide range of energy storage needs with widely different time periods; some involve seasonal, weekly, and daily cycles, and ...



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The utility model provides an energy storage type electromagnetic induction hot blast stove which has high heating efficiency and does not produce environmental pollution materials; comprises ...

A system permitting efficient heat pump, storage of thermal energy, and retrieval of this stored thermal energy back to electricity upon demand.

The utility model discloses an electromagnetic transduction type solid heat storage heater, one side of a wind resistance screen A is provided with a honeycomb air outlet A, the bottom of the ...

This study reports a newly designed induction heating system for efficient, fast, and safe flow-through heating. The system has a very simple architecture, which is composed ...

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