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### Patent Search

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#### Abstract:

A clay soil and quartz crystal-based electrical storage device consists of a Mild steel base chamber and a stainless steel shielding layer. This is a cylindrical, sealed container. The inner chamber is composed of silica sand and is filled with a mixture of clay soil and quartz crystals. Glass pieces are placed between the base chamber and interior to reduce heat loss; Nichrome wire is wrapped around an insulating ceramic hollow core to generate heat; and a Peltier module is positioned in the inner chamber to generate electricity from clay soil heat. Electrically connecting Peltier modules to DC voltage regulators stabilizes the voltage produced by Peltier.

## Complete Specification

### FIELD OF THE INVENTION

[0001] The present invention relates to energy storage device, more particularly to an clay soil and quartz crystal based electricity storage device. Electricity is stored using clay soil and quartz crystal. Electricity is converted into heat and the heat will stored in clay soil and quartz crystal powder mixture. User can get the electricity from the stored heat in the clay soil when it's required using peltier module.

### BACKGROUND OF THE INVENTION

Energy storage systems and electricity storage devices are two names for the same kind of technology that can be used to save electricity for later use. In today's energy infrastructure, these gadgets are indispensable for regulating supply and demand, improving grid stability, and facilitating the incorporation of renewable energy.

Some typical examples of energy storage systems are as follows:

Batteries: Batteries are a rechargeable source of electrical power because they store energy chemically. Lithium-ion; lead-acid, nickel-metal hydride (NiMH), and other chemistries are only a few examples. Batteries see widespread use in mobile devices, electric cars, and grid-scale

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