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Title: Solar thermal power generation invention patent

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There are many technologies available to directly harness the Sun's energy, the most prevalent of which are photovoltaics and Solar thermal (also known as concentrated solar power or CSP).

In order to solve the problems described above, a solar thermal power generation system according to an aspect of the present invention includes: a low-temperature heat collection device ...

One aspect of the present invention includes a solar thermal power generator comprising: a pressure vessel for storing a thermally-induced phase-changing working fluid; a boiler

Non-direct solar energy collection and storage systems can generate electricity from solar radiation using a solar thermoelectric generator and at the same time capture solar thermal energy in a ...

In 1894, American inventor Melvin Severy received patents 527,377 for an "Apparatus for mounting and operating thermopiles" and 527,379 for an ...

[0001] The present invention relates generally to the field of concentrated solar power (CSP). Embodiments of the present invention relate in particular to a solar thermal power plant that ...

The present invention features a solar-thermal power generator. The generator makes use of solar energy to heat a component of the generator which leads to the heating of air or fluid...

Patent Abstract: This invention presents an innovative hybrid solar panel capable of generating both electrical and thermal energy simultaneously through an integrated multilayer design.

Abstract The object is to simplify systems in a solar thermal power generation plant and thereby provide a solar thermal power generation system achieving reduction in the construction cost and the power ...



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