



Solar steam power generation patent example

The systems and methods described herein relate to steam generation, such as may be used for desalination and distillation of water, namely to a solar steam generator, which can be used for ...

Feed water is pressurized, preheated, and evaporated in a series of pipes exposed to concentrated solar energy to produce a water-steam mixture for direct distribution to an industrial process...

It has been found that the configuration and features of the panel 122 provides very efficient heat transfer from the solar energy reflected onto the panel 122 and the water and/or steam ...

A system to convert the heat collected by solar thermal collectors into electricity using a Rankine cycle generator with multiple working fluids and multiple temperature-level heat sources is disclosed.

The present invention is an improvement in variable vacuum steam heating systems and subatmospheric steam heating systems consisting of a solar energy collecting panel capable of performing as full or part time ...

The technology described herein includes a solar assisted electricity generating unit that uses a form of solar technology to pre-heat water in various tanks. The pre-heated water can be supplied to one or ...

Solar energy generates steam in a "once-through" configuration without recirculation, with closely managed steam quality, to produce wet steam from high-contaminant feed water without scaling or fouling.

A low cost, highly flexible and environmentally friendly water generation method known as interfacial solar steam generation (SSG) has recently been popularized by many ...



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