



Solar steam generator patent

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This patent application claims the benefit of U.S. Provisional Patent Application No. 61/045,361, filed Apr. 16, 2008, which is incorporated herein in its entirety.

This invention relates to a system of utilizing the sun's heat, and particularly 10 pertains to improvements in an apparatus for raising the temperature of water or other liquids in a series of steps so as to ...

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 ...

A solar power generation system includes a solar receiver disposed on a tower that receives radiant heat reflected from a field of solar collectors.

This demonstration of a low-cost and scalable solar vapour generator holds the promise of significantly expanding the application domain and reducing the cost of solar thermal systems.

Direct solar steam generation Abstract Solar energy generates steam in a "once-through" configuration without recirculation, with closely managed steam quality, to produce wet steam from...

Low pressure steam generated by a solar collector is compressed to raise its temperature and pressure. The compressor is driven by an engine which is, in turn, driven by a combustible fuel. Shaft work ...

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 ...

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 ...

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