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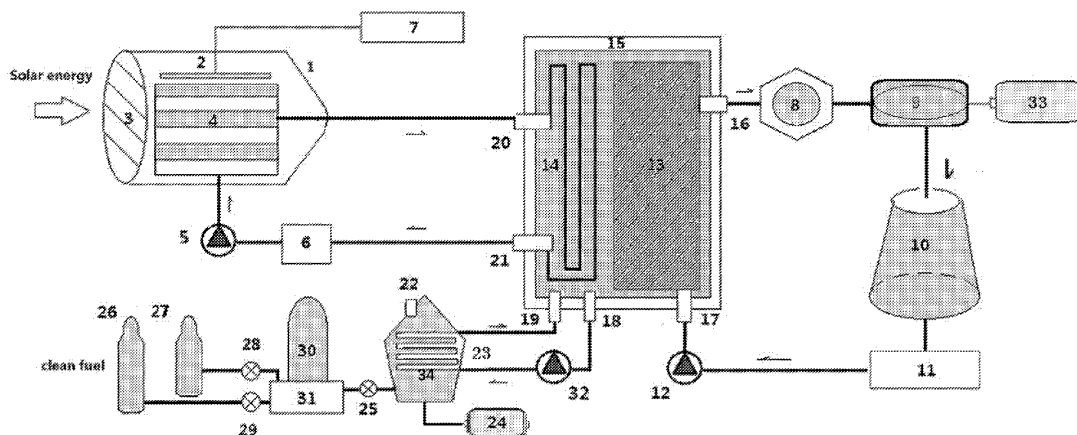
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(54) Title: SOLAR THERMODYNAMIC POWER GENERATOR



(57) Abstract: A solar thermodynamic power generator includes: a quartz window placed on a metal shell to form an electromagnetic resonant cavity structure for receiving solar energy; a ceramic conduit placed in the metal shell, wherein a working medium is heated in the ceramic conduit by the solar energy; a heat exchanger placed in a vacuum insulation oil tank; a steam generator placed in the vacuum insulation oil tank; a ceramic heating tube placed in a combustion chamber; and a turbine communicating with the steam generator through a fifth pipeline and a sixth pipeline. The present invention is environmentally friendly, safe, low-cost, high-efficiency, pollution-free, emission-free, and not affected by natural weather or environment. Like natural gas, the present invention can be configured to perform grid-connected power generation. Furthermore, after the hydrogen fuel and the hydrogen silicon fuel are mixed and burned, waste hydrogen can be recycled and reused.



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