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(57) Abstract :

According to an embodiment, a solar heating-based water bucket is disclosed. The bucket includes: a tank for holding water, the tank is defined by sidewalls and a base, top part of the tank is open; a lid configured with open end of the tank; a solar panel configured to outer portion of the lid to enable absorption of solar energy; and a heating element configured to bottom of the tank, the heating element coupled to the solar panel to convert solar energy to heat energy to enable heating of water inside the tank. water heater system is provided with a foldable bucket heater with solar energy.

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