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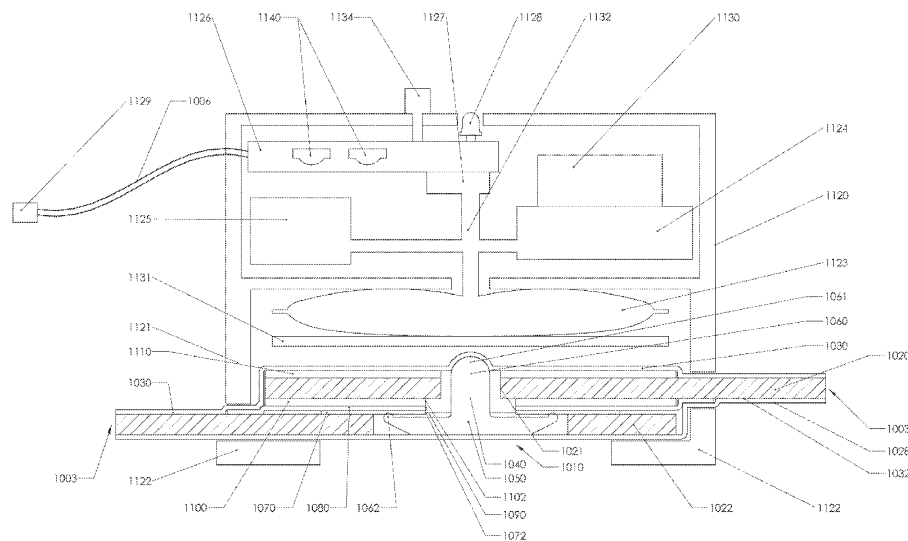


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FIG. 3



(57) Abstract: A temperature controller for a sorption system having an evaporator to produce a gas, a sorber containing a sorption material to sorb the gas during a sorption phase, a flow channel extending between the evaporator and sorber to provide a gas pathway connecting them, a valve to control the rate of gas flow in the flow channel, and a temperature sensor positioned to measure the temperature of an evaporator surface or the air adjacent thereto indicative of an evaporator surface temperature, and generate a temperature signal. The controller includes an inflatable member having first and second inflation states, and a control unit configured to evaluate the temperature signal and in response control the state of inflation of the inflatable member and thereby the operation of the valve to control the rate of gas flow between the evaporator and sorber through the gas pathway.

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