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(54) Title: ACTIVE/PASSIVE COOLING SYSTEM

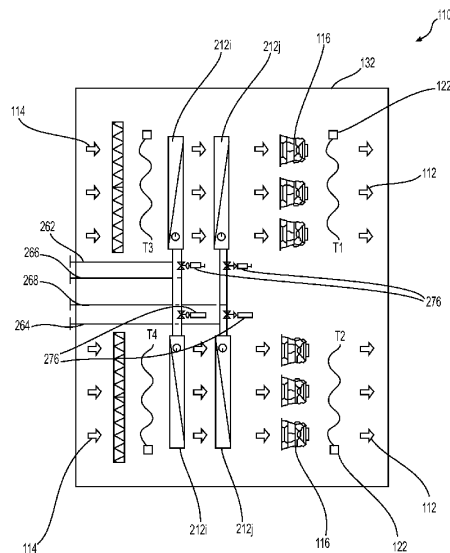


FIG. 10

(57) Abstract: A cooling assembly includes an evaporator containing a primary cooling medium, a passive condenser, a heat exchanger, and a flow control valve controlling the flow of the primary cooling medium into the evaporator. When a secondary cooling medium is provided to the heat exchanger, the primary cooling medium in the gas phase switches from being received by the passive condenser to the heat exchanger without operating any valves located between the evaporator and the passive condenser and between the evaporator and the heat exchanger. The primary cooling medium circulates between the evaporator and the passive condenser and between the evaporator and the heat exchanger by natural circulation and gravity without a pump in the flow path of the primary cooling medium between the heat exchanger and the evaporator and between the passive condenser and the evaporator to circulate the primary cooling medium.

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