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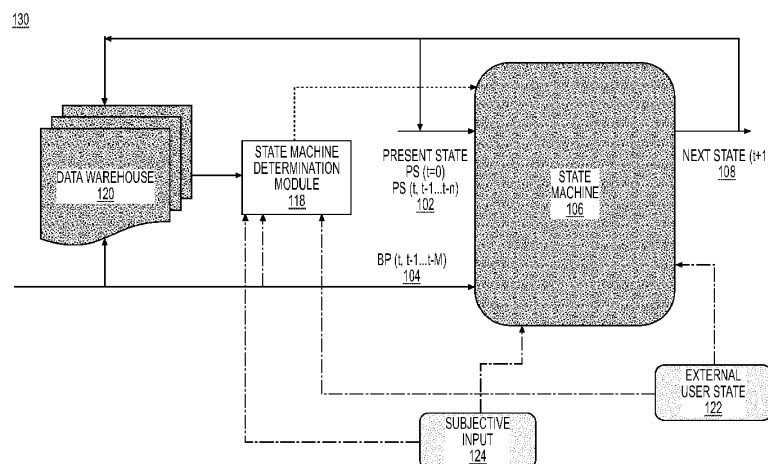


FIG. 1B

(57) Abstract: Disclosed are methods, systems, and computer-readable medium for outputting a state machine to determine a next state for a pacemaker, including receiving a plurality of state machines, each state machine including an algorithm to generate the next state for the pacemaker; receiving a blood pressure value sensed by a blood pressure sensor; receiving a user state; inputting the blood pressure value and the user state at a state machine determination module; determining a first state machine from the plurality of state machines at the state machine determination module, based on the blood pressure value and the user state; and outputting the first state machine to determine new states for the pacemaker.

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