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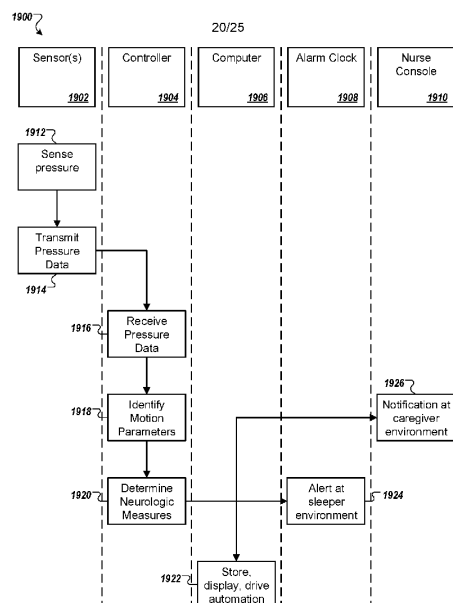
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(54) Title: BED HAVING FEATURES FOR SENSING SLEEPER PRESSURE AND GENERATING ESTIMATES OF BRAIN
ACTIVITY FOR USE IN DISEASE



(57) Abstract: One general aspect includes a bed having a mattress. The system also includes a sensor configured to: sense pressure of a sleeper on the mattress and transmit, to a controller, pressure data generated from the sensing of pressure of the sleeper on the mattress. The system also includes a controller may include a processor and a memory, the controller configured to receive the pressure data; identify, from the pressure data, one or more motion parameters; determine one or more cardiac measures of the sleeper from the motion parameters; determine, from the cardiac parameters, one or more neurologic measures of the sleeper; and determine, a disease state for the sleeper.

FIG. 19A