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(54) **PATHOLOGICAL STATE DETECTION USING DYNAMICALLY DETERMINED BODY DATA VARIABILITY RANGE VALUES**

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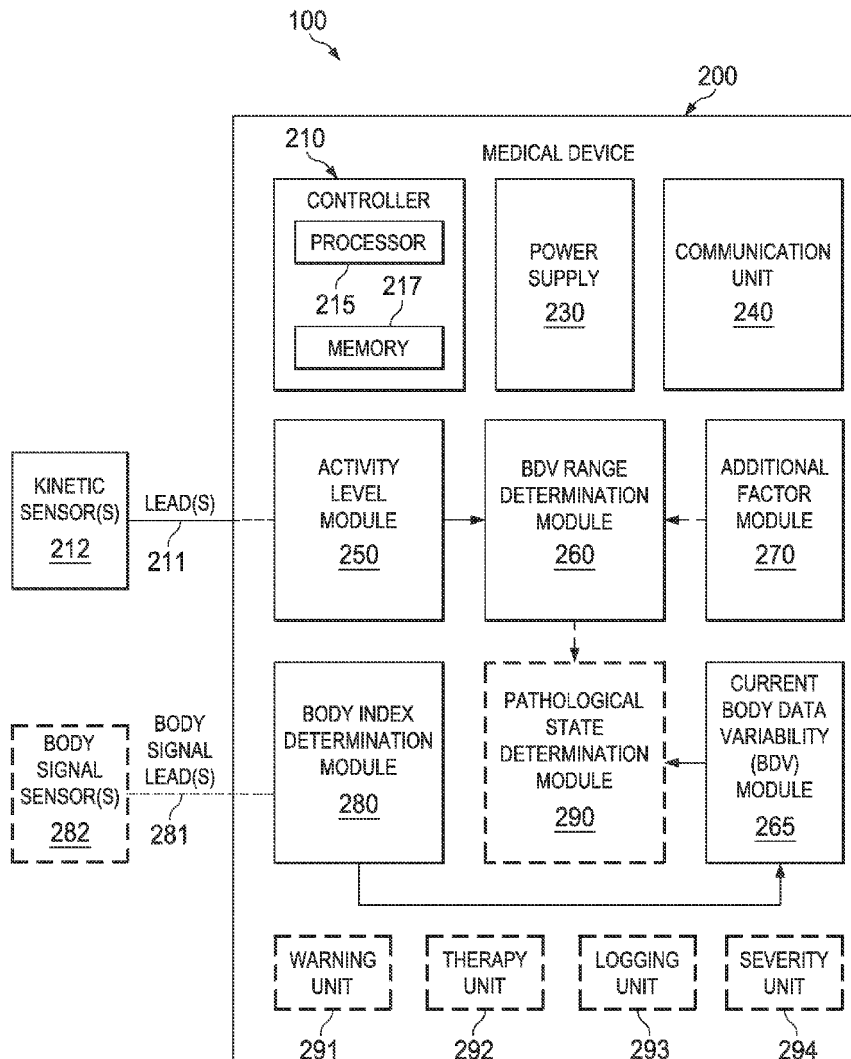
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(57) **ABSTRACT**

We report a method of detecting a pathological body state of a patient, comprising receiving a body signal of the patient; determining a BDV from said body signal; determining an activity level of said patient; determining a value range for said BDV for said patient, based at least in part on said activity level; comparing said BDV to said value range; and detecting a pathological state when said BDV is outside said value range. We also report a medical device system configured to implement the method. We also report a non-transitory computer readable program storage unit encoded with instructions that, when executed by a computer, perform the method.



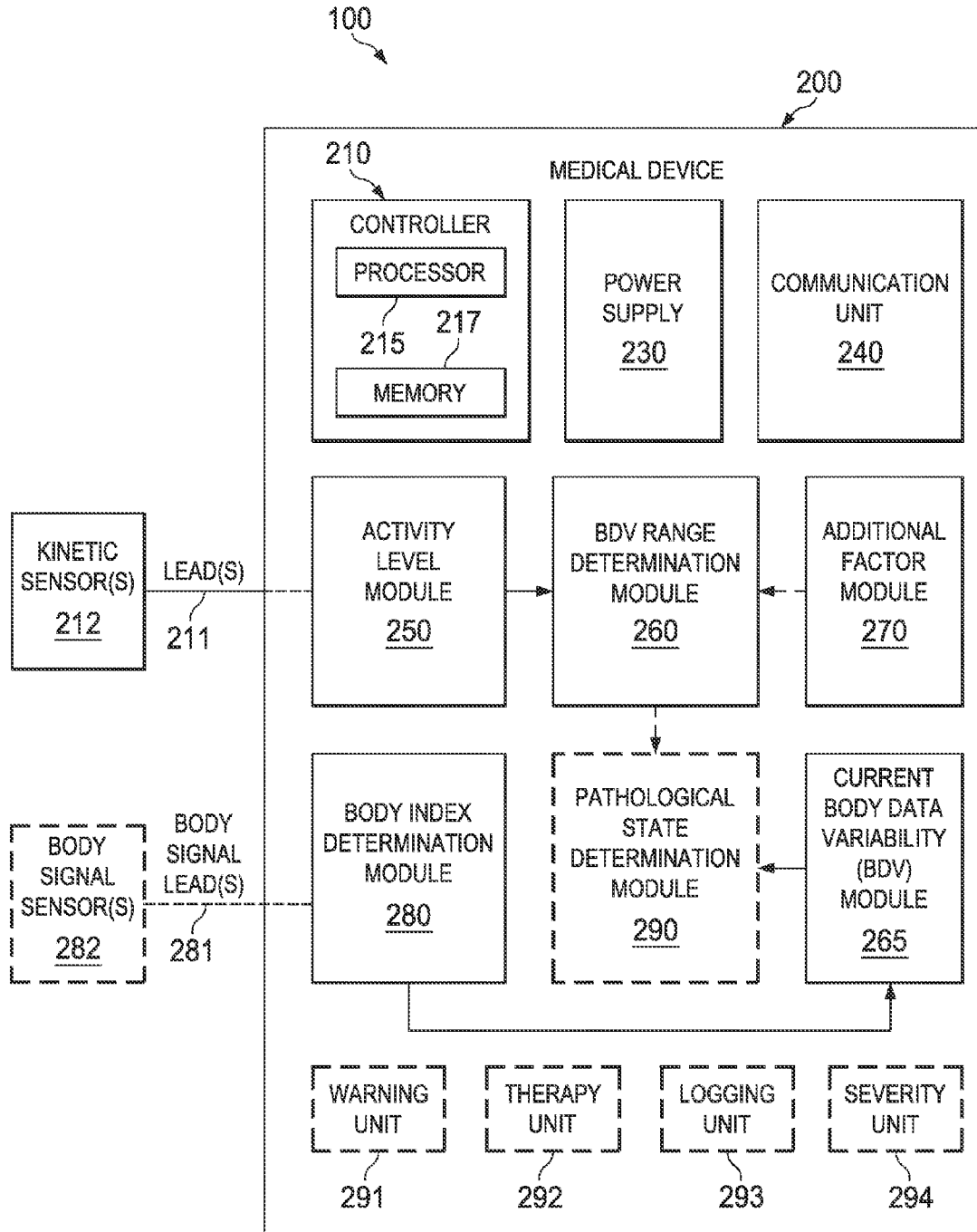


FIG. 1

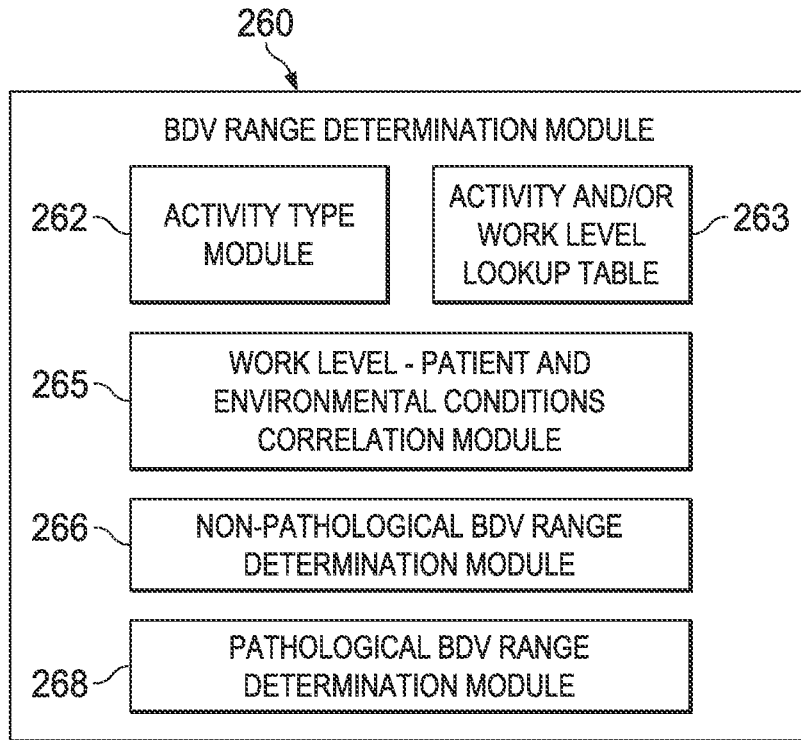


FIG. 2A

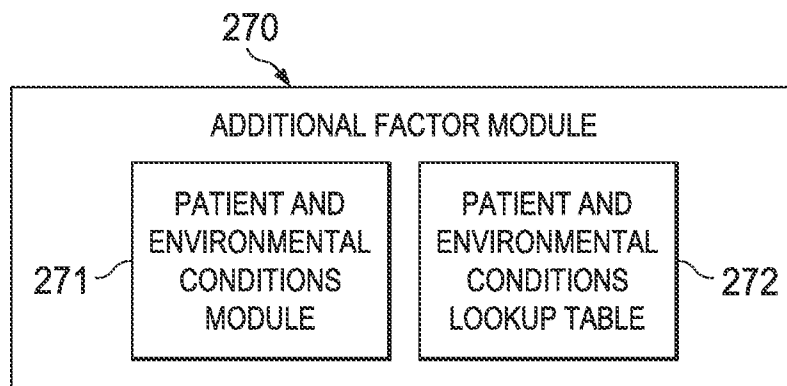


FIG. 2B

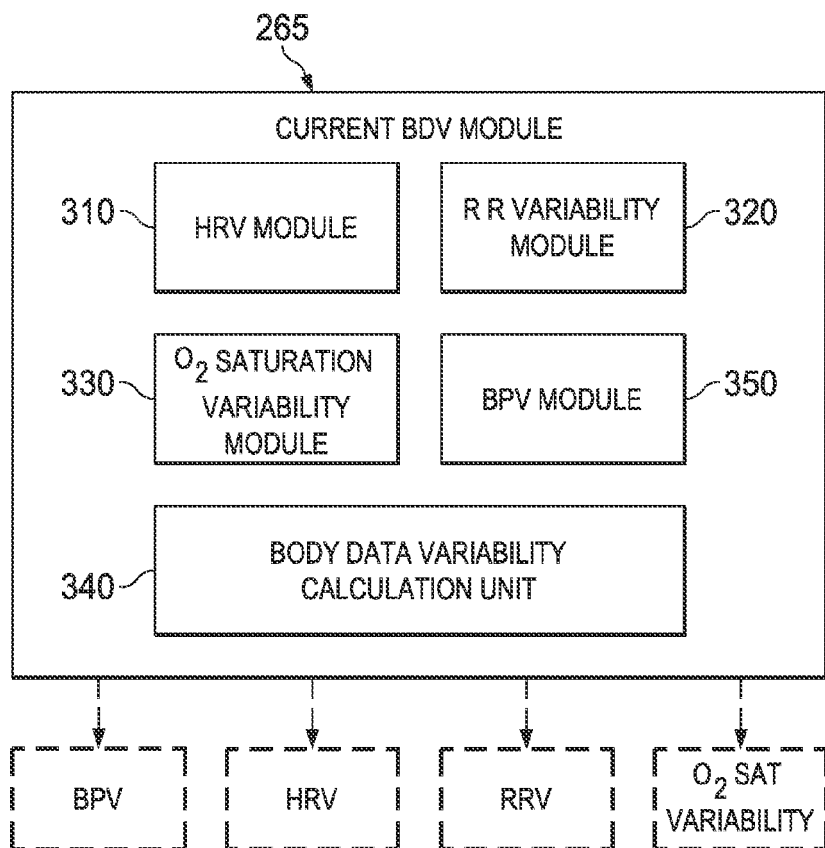


FIG. 2C

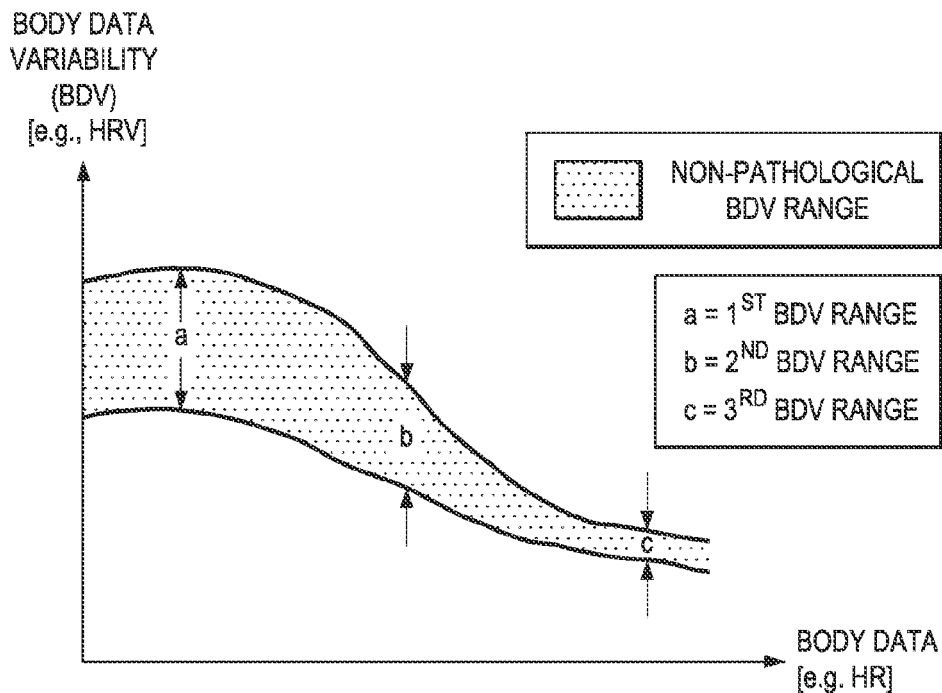


FIG. 3

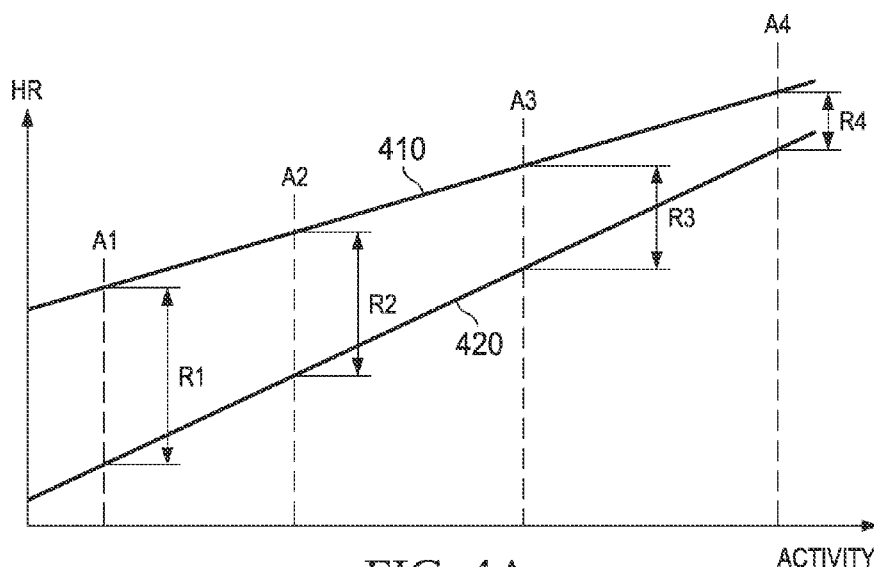


FIG. 4A

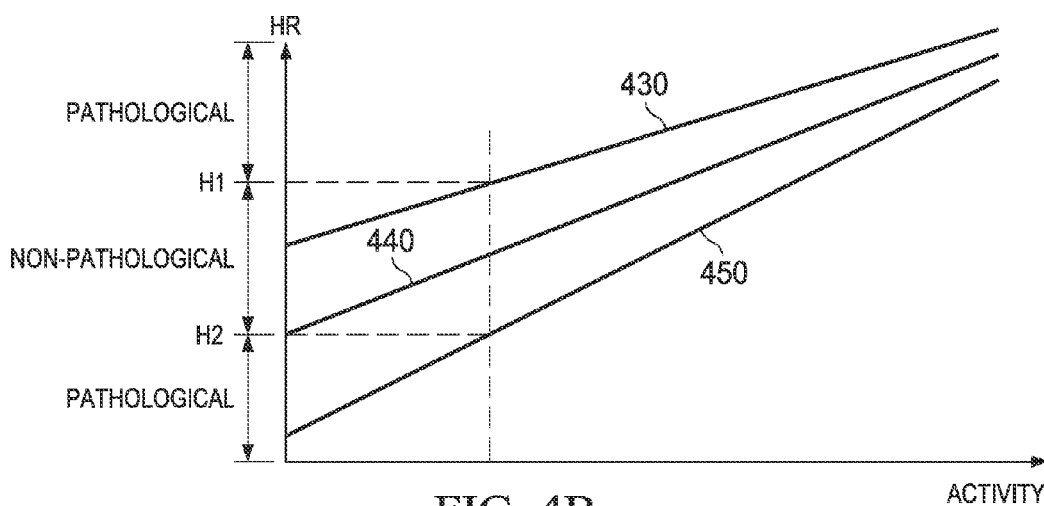


FIG. 4B

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