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

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#### Related U.S. Application Data

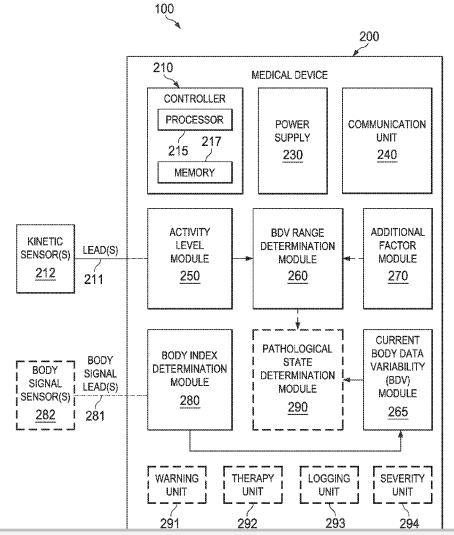
(60) Provisional application No. 61/794,540, filed on Mar. 15, 2013.

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- (51) **Int. Cl. A61B 5/00** (2006.01)

#### (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.





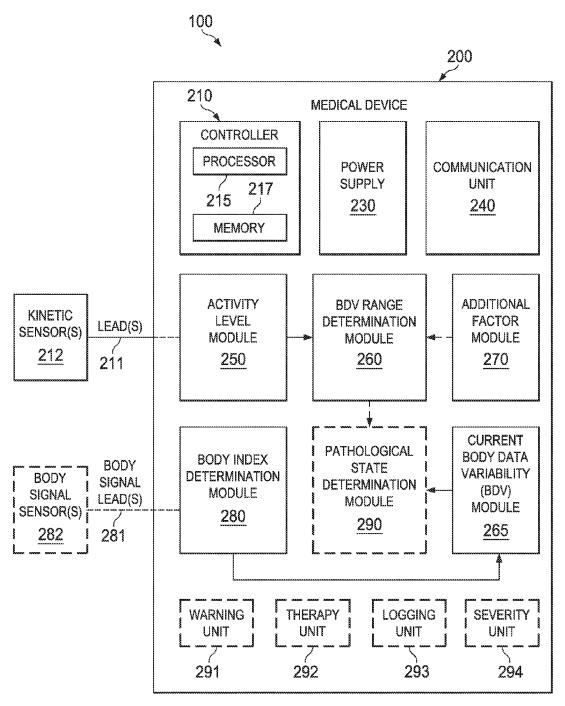


FIG. 1



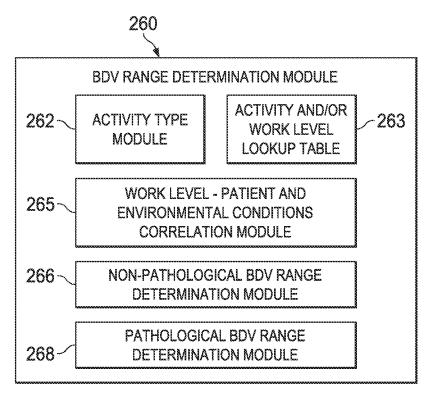


FIG. 2A

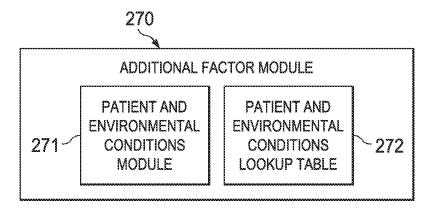


FIG. 2B



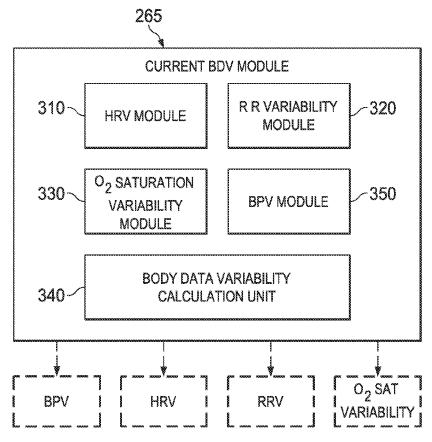


FIG. 2C

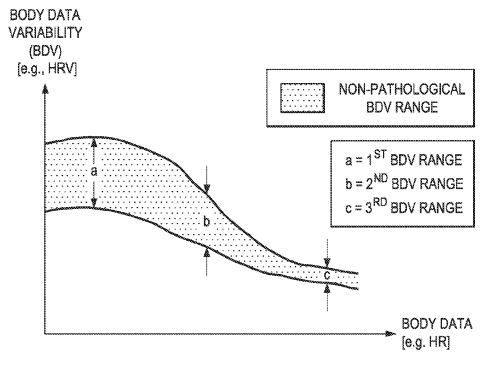
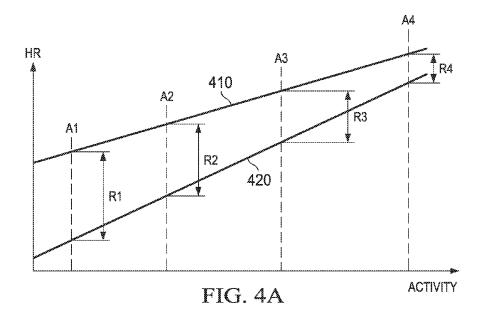
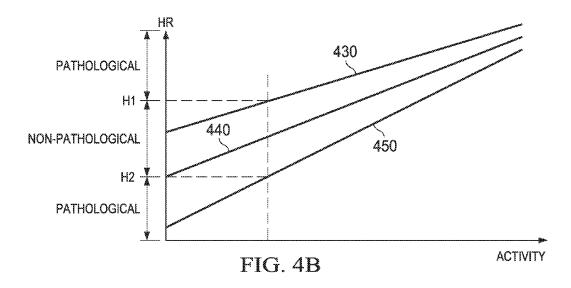


FIG. 3









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