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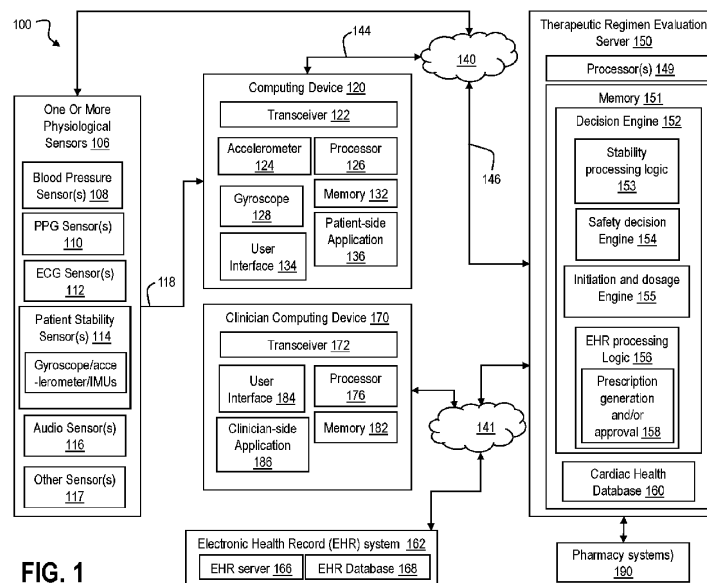


FIG. 1

(57) Abstract: Disclosed herein are systems and methods for management and administration of therapeutic treatment regimens for heart failure patients. In some examples, this includes monitoring a patient's heart rate and electrocardiogram using a wearable heart rate sensor to provide input into a decision tree model to provide an effective treatment regimen. Furthermore, regular blood pressure measurements may be input into the model. The system may additionally iterate through various heart failure therapeutics based on a patient's response to prior administered therapeutics.

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