

## **Abstract**

### **MULTI-SENSOR PATIENT MONITOR TO DETECT IMPENDING CARDIAC DECOMPENSATION**

Systems and methods of detecting an impending cardiac decompensation of a patient measure at least two of an electrocardiogram signal of the patient, a hydration signal of the patient, a respiration signal of the patient or an activity signal of the patient. The at least two of the electrocardiogram signal, the hydration signal, the respiration signal or the activity signal are combined with an algorithm to detect the impending cardiac decompensation.

[Figure 1A]