

Device And Method For Passive Patient Monitoring

Abstract

5 Devices, systems and methods provide passive patient monitoring of such parameters
as body motion, body position, respiratory rate and/or heart rate. Passive monitoring
generally involves a sensor device having at least two piezoelectric sensors, provided
on a surface, such as a bed, chair, operating table or the like, so that a patient may be
coupled with the device by simply allowing the patient to lie, sit, lean, stand on or
10 wear the surface. In one embodiment, multiple patients in a general care area of a
hospital may be continuously monitored via multiple passive monitoring devices. If a
patient fails to meet one or more predefined threshold criteria or has a negative
physiological trend, the system may activate an alarm.

15 [Fig. 1]