

SMART BED SYSTEMS AND METHODS OF OPERATION THEREOF

ABSTRACT

The present invention provides smart bed systems and the operating methods of the smart bed systems. The smart bed systems detect physiological data and sleeping quality with optical fibers which with strong resistance to electromagnetic interference. The smart bed systems do not require the users to wear any wearable devices. The smart bed systems also provide several functions, such as automatic night light, vibration-based alarm, anti-snoring assistance, and scenario-based appliance controls.

Fig. 7