

ABSTRACT

AN EXPANDABLE MULTI-PHYSIOLOGICAL PARAMETER MONITORING RING

5 The present invention relates to the field of health medical device, and discloses an expandable multi-physiological parameter monitoring ring. The expandable multi-physiological parameter monitoring ring in embodiments of the present invention includes a microprocessor module and an internal sensor module connected to the microprocessor module, and further includes an external module interface detachably connected to the
10 microprocessor module and used for connecting an external sensor module. The microprocessor module is configured to: when the external module interface is connected to the external sensor module, obtain measurement signals from the external sensor module and the internal sensor module, and process the measurement signals to obtain a difference between a measurement signal of the external sensor module and a measurement signal of
15 the internal sensor module; and when the external module interface is not connected to the external sensor module, calibrate, according to the difference, a physiological parameter obtained by the internal sensor module. The present invention can improve accuracy of physiological parameter measurement at a fingertip, and can implement low load, portability, and comfort.

20 (FIG. 1)