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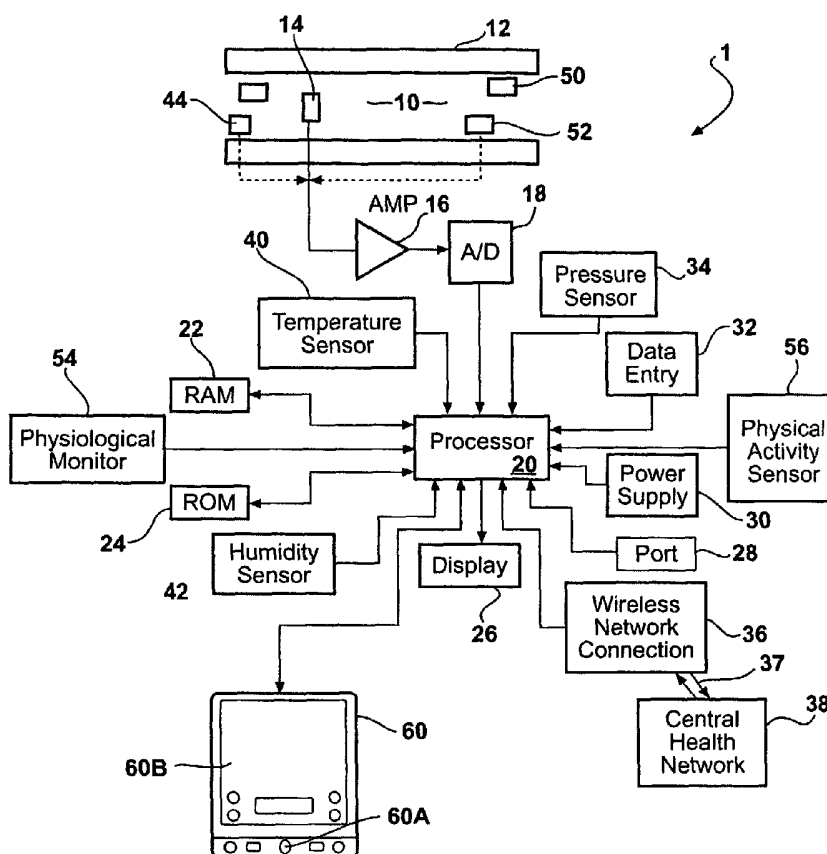
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[Continued on next page]

(54) Title: A SYSTEM AND METHOD OF METABOLIC RATE MEASUREMENT



(57) Abstract: A spirometer (10) for determining a metabolic rate for an individual includes a flow pathway (10) and a flow sensor (14) disposed in the flow path, such that the flow sensor senses a flow rate of exhaled gas from the individual through the flow path. The spirometer also includes a processor (20) having a memory (22) in communication with the flow sensor. A method of metabolic rate measurement for the individual includes the steps of measuring an exhaled gas volume for the individual using the exhaled gas volume and a ventilatory equivalent, and determining a metabolic rate for the individual from the respired volume.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US02/06764

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61B 5/08  
 US CL : 600/531, 532

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 600/531, 532, 529, 538

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,E	US 6,475,158 B1 (ORR et al) 05 November 2002 (05.11.2002), Figure 1, column 4, line 34 to column 6, line 7, and column 8, lines 13-34.	27-30
A	US 5,060,656 A (HOWARD) 29 October 1991 (29.10.1991), Abstract.	1, 15, 17, and 18
A	US 4,572,208 A (CUTLER et al) 25 February 1986 (25.02.1986), Abstract.	1, 15, 17, and 18
A	US 4,856,531 A (MERILAINEN) 15 August 1989 (15.09.1989), Abstract.	1, 15, 17, and 18

Further documents are listed in the continuation of Box C.

See patent family annex.

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