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United States Patent [19]

Brown

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[54] **MODULAR MICROPROCESSOR-BASED HEALTH MONITORING SYSTEM**

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[58] **Field of Search** 364/413.02, 413.03, 364/413.07, 709.09, 413.09, 413.11; 379/90, 100, 106

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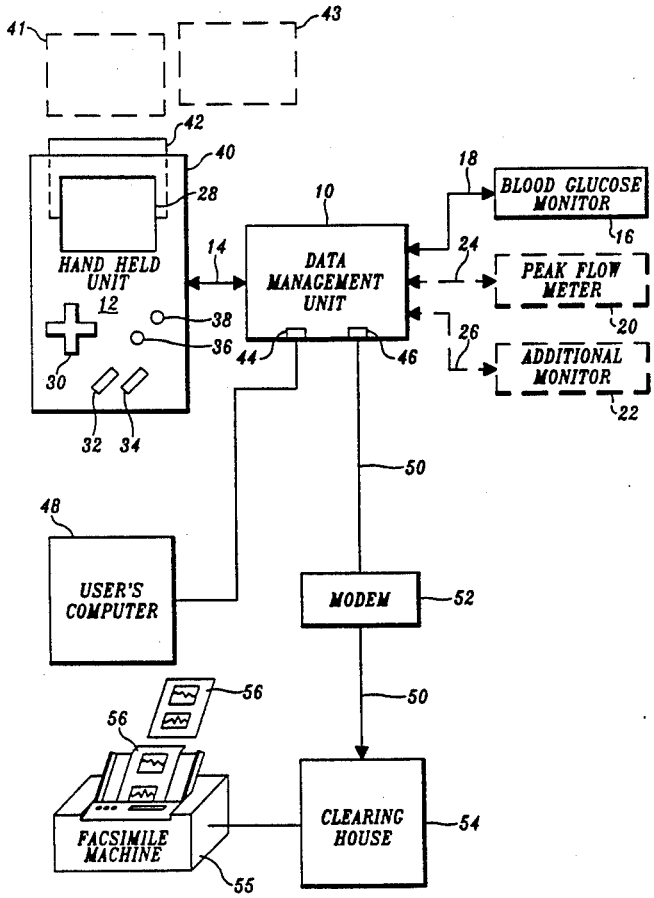
[57] **ABSTRACT**

A modular self-care health monitoring system which employs a small handheld microprocessor-based unit (**12**) such as a compact video game system of the type that includes a display screen (**28**), switches for controlling device operation (**30,32,34,36,38**) and a program cartridge (**41,42,43**) that is inserted into the handheld unit to adapt it for operation with a microprocessor-based healthcare data management unit (**10**) and a glucose monitor (**16**) (or, another type of health monitor **30,32**). A modem (**46**), included in the microprocessor-based data management unit (**10**), allows data such as blood glucose level to be transmitted to a clearinghouse (**54**), which transmits reports to a remotely located healthcare professional (**60**) via facsimile transmission (**55**). The system is intended for use by persons of all ages, but primarily is directed to children afflicted with diabetes or other chronic ailments.

12 Claims, 5 Drawing Sheets