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Mault et al.

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(54) **PHYSIOLOGICAL MONITOR AND ASSOCIATED COMPUTATION, DISPLAY AND COMMUNICATION UNIT**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 278 days.

(21) Appl. No.: **09/669,125**

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(51) **Int. Cl.**[7] **A61B 5/00**
(52) **U.S. Cl.** **600/300**; 128/903; 128/920; 600/508
(58) **Field of Search** 600/300–301, 600/500–509, 549, 587–595; 128/903, 904, 120; 374/100

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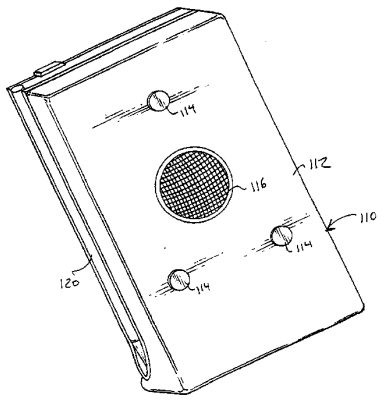
(57) **ABSTRACT**

Various physiological monitor modules are provided for use with computing devices such as personal digital assistants (PDAs). In some embodiments, the personal digital assistant provides the controls, display, and processing circuitry for the physiological monitor module. The personal digital assistant stores data from the physiological monitors so that the data may be used in various software applications. In other embodiments, the physiological monitor and the personal digital assistant include accessory slots sized to accept memory modules which may be used to transfer data therebetween. In yet other embodiments, the physiological monitors include data storage but do not include onboard processing capability, and data is transferred to a personal digital assistant either during or after use of the physiological monitor.

1 Claim, 15 Drawing Sheets



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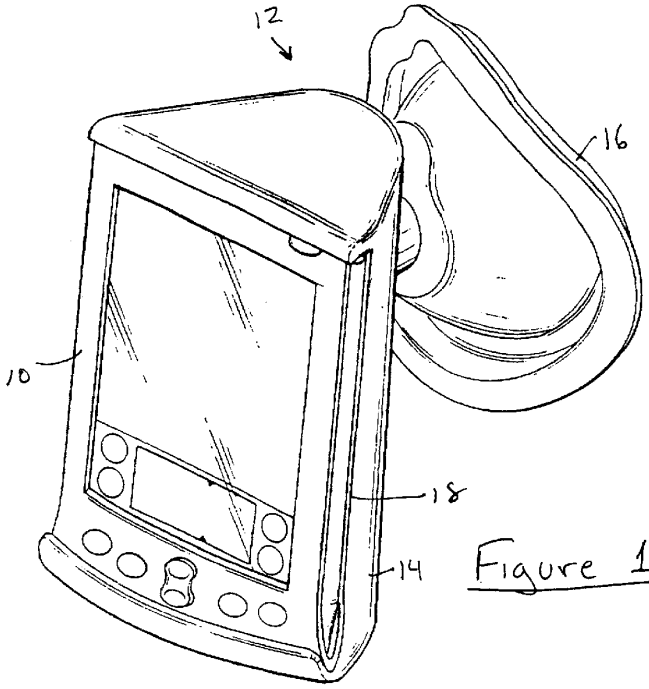

Figure 1A

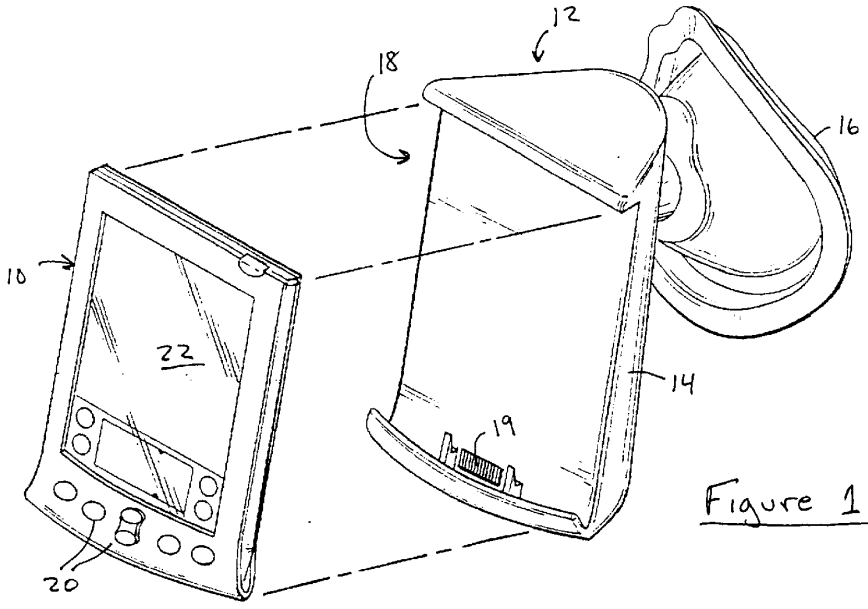

Figure 1B

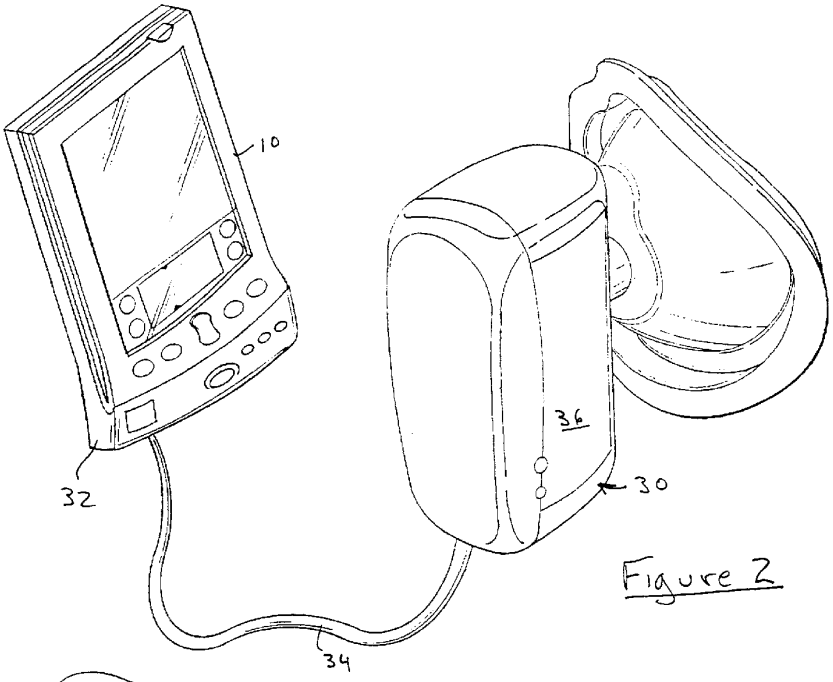

Figure 2

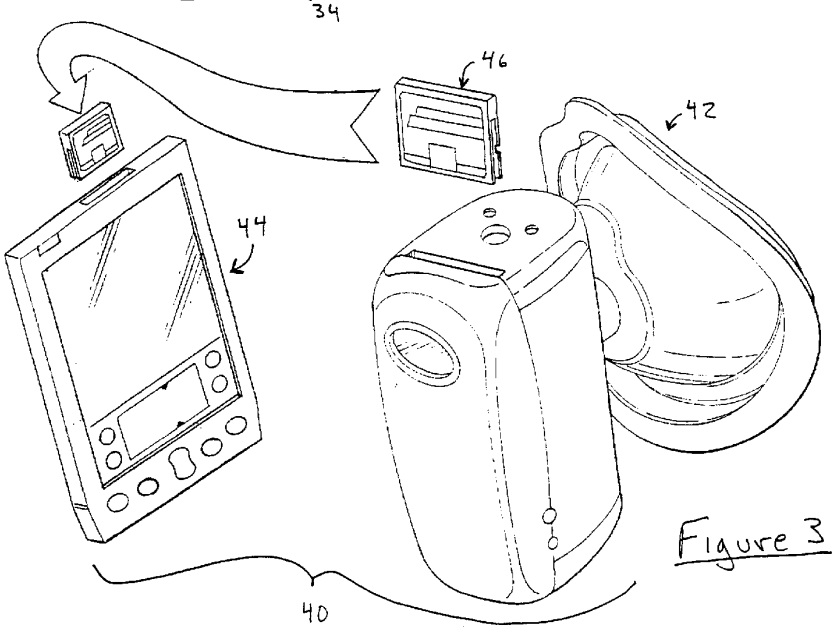

Figure 3

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