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**Reisman et al.**

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(54) **MONITORING DEVICE**

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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 233 days.

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(51) **Int. Cl.**<sup>7</sup> ..... **G08B 23/00**

(52) **U.S. Cl.** ..... **340/573.4**; 340/568.2; 340/539.31

(58) **Field of Search** ..... 340/573.4, 568.2, 340/539.31, 533, 687, 573.1, 531, 573.7, 689

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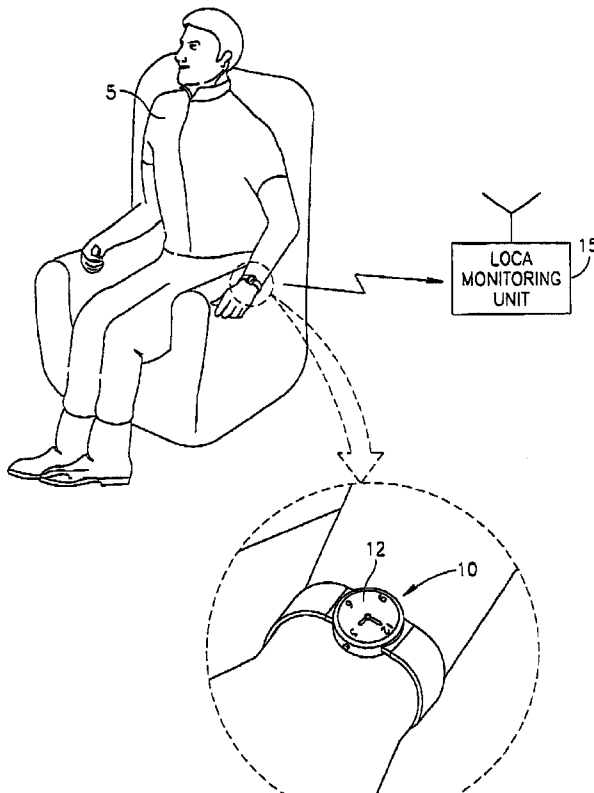
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(57) **ABSTRACT**

A monitoring device, such as a watch, for monitoring, at a remote location, movements and activities of a person, the device is worn around the wrist of the person being monitored, the device comprising, a housing, a strap connected to the housing for fastening the device around the wrist of the person being monitored, a tamper sensor for detecting tampering with or the removal of the device from the person's wrist. It further includes electronic circuitry enclosed within the housing. The circuitry includes a micro-processor and a memory device for receiving and processing data and a transmitter for periodically transmitting data to a remote location and a time display, coupled to a clock mechanism, mounted in the housing so as to be displayed at the front face of the housing.

**23 Claims, 6 Drawing Sheets**



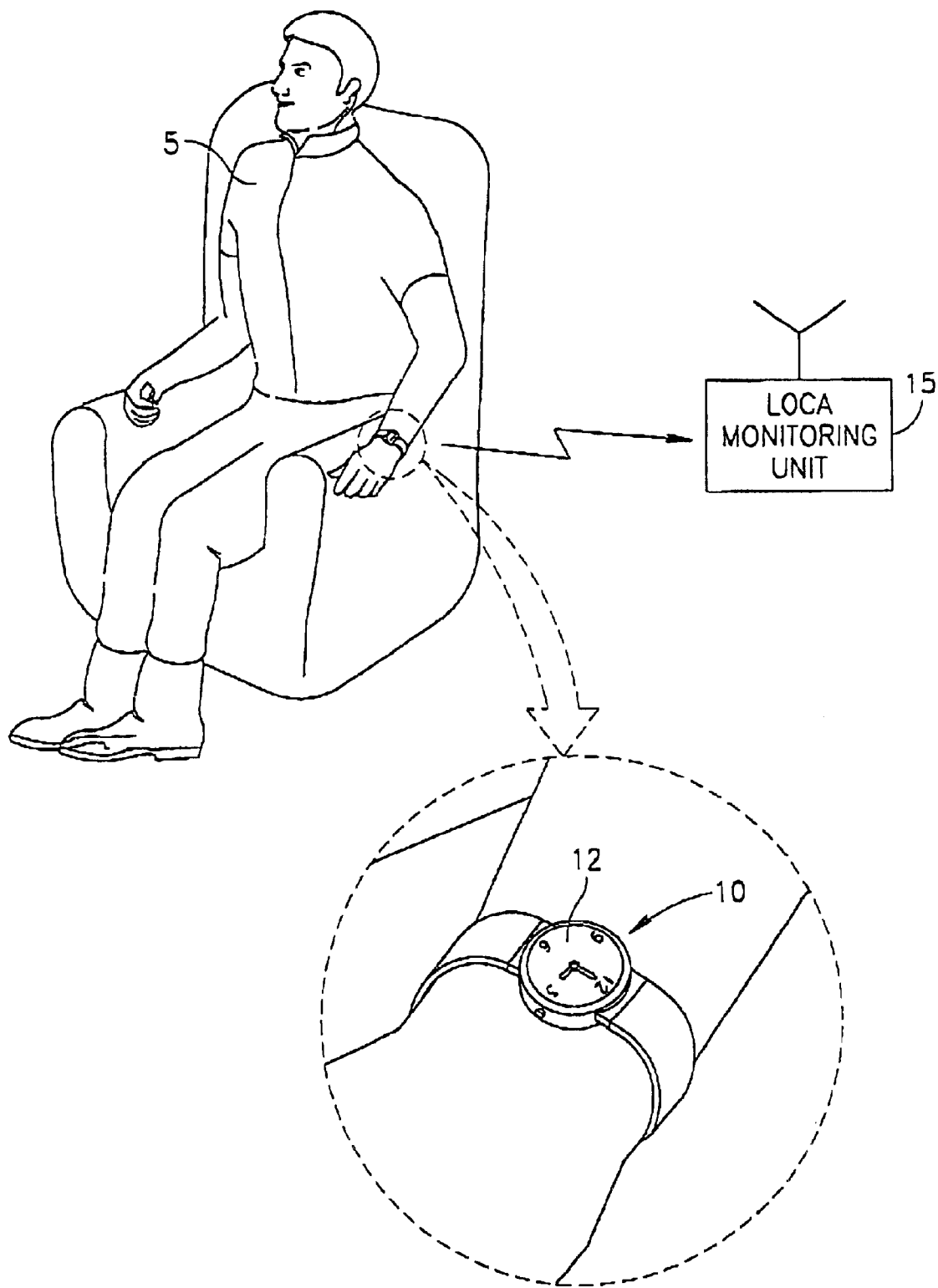


FIG.1

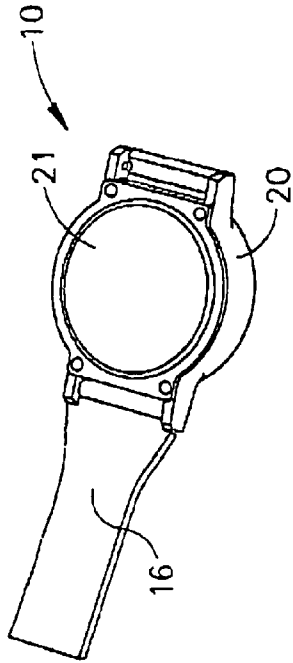


FIG. 2B

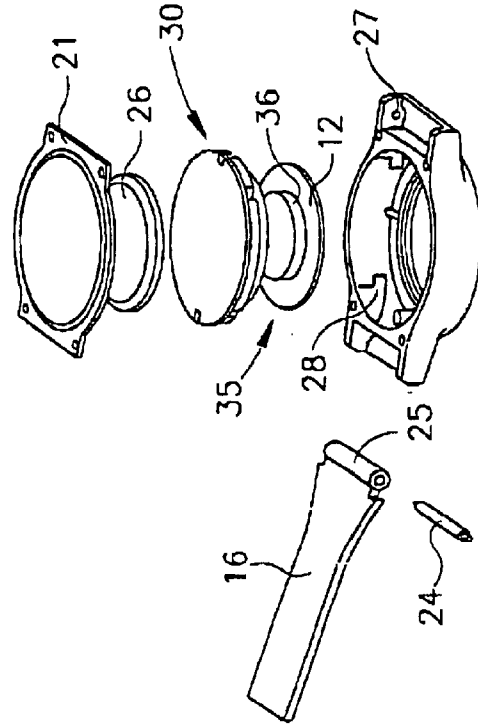


FIG. 2D

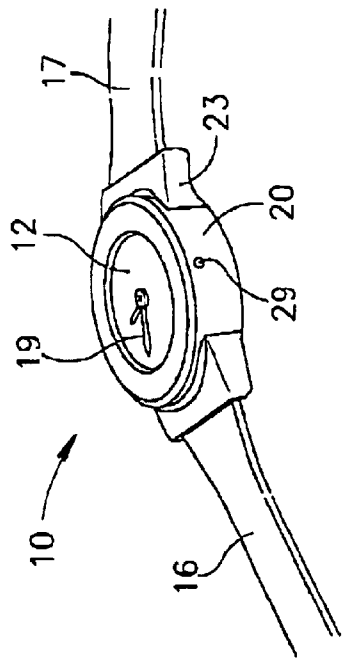


FIG. 2A

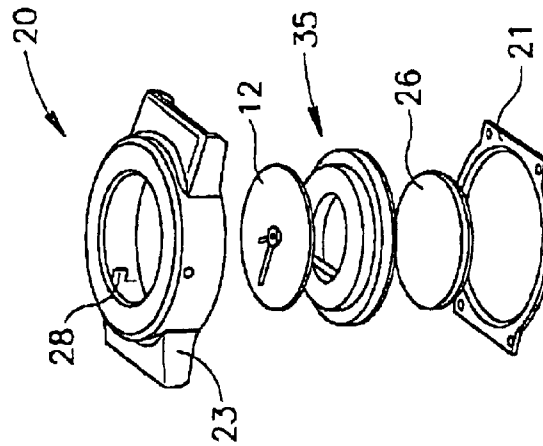


FIG. 2C

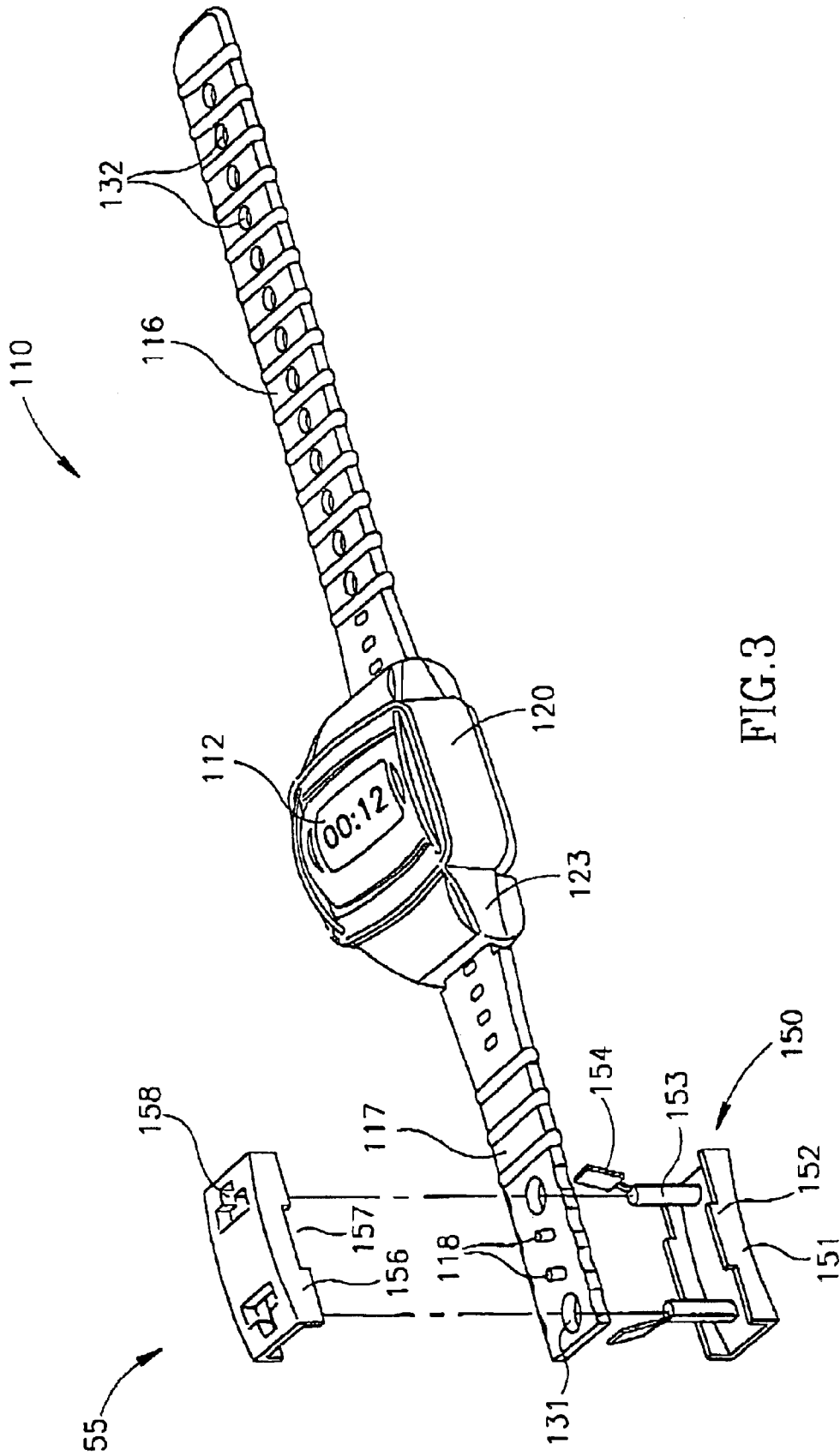


FIG. 3

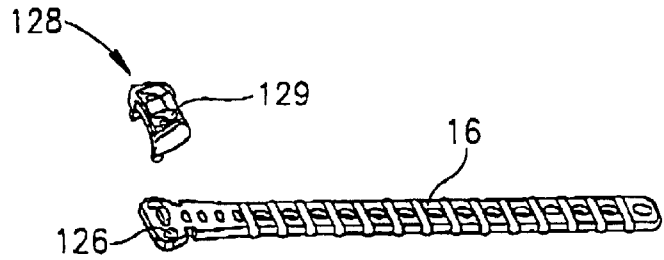


FIG. 3A

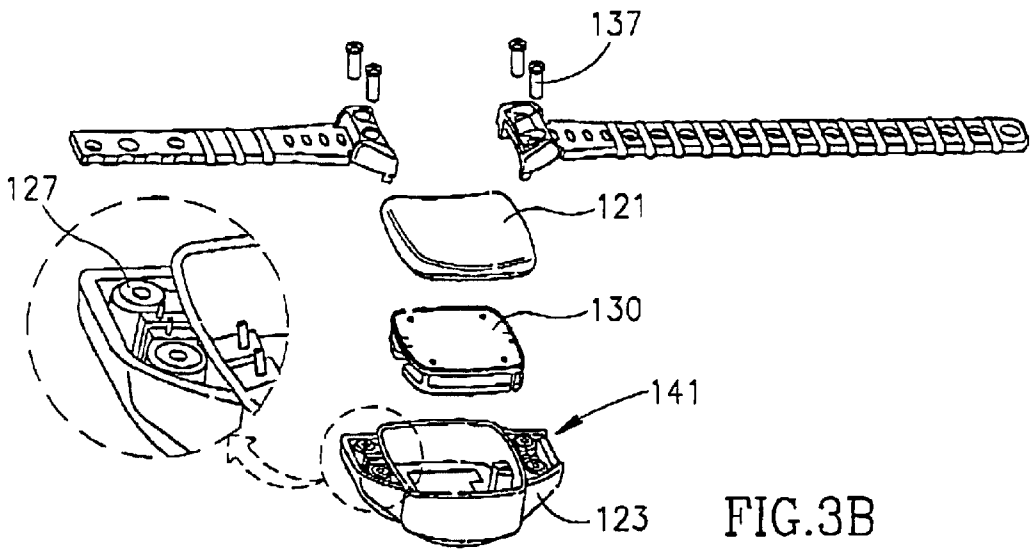


FIG. 3B

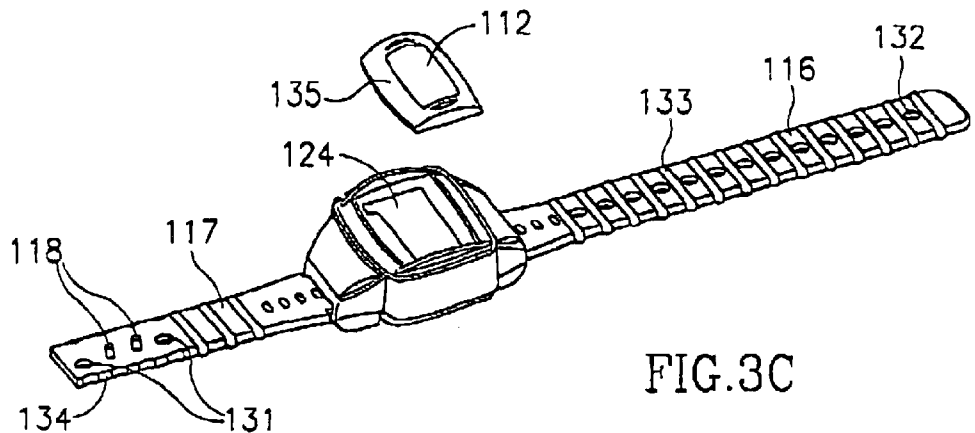


FIG. 3C

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