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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0239493 A1**
(43) **Pub. Date: Oct. 27, 2005**(54) **REMOTE MONITORING OF CARDIAC
ELECTRICAL ACTIVITY USING A CELL
PHONE DEVICE**(30) **Foreign Application Priority Data**

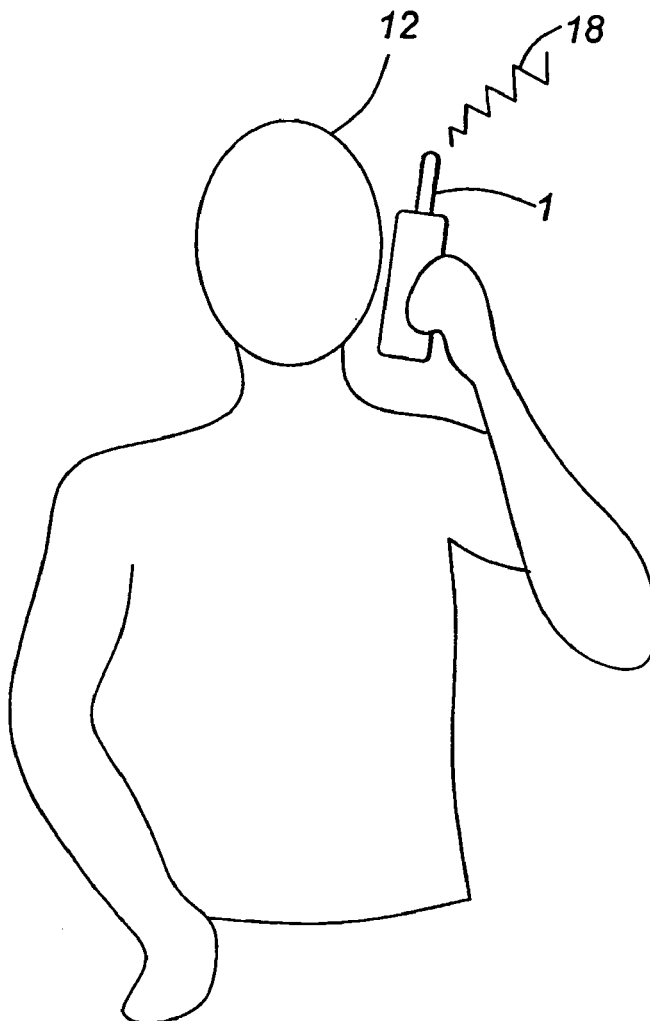
May 7, 2002 (CA) 2385232

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Brun del Re, Ottawa (CA); Steven
Carkner, Ottawa (CA); Robert
Brookes, Ontario (CA)****Publication Classification**(51) **Int. Cl.⁷** **H04M 1/00**
(52) **U.S. Cl.** **455/550.1**

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David J French**P O Box 2486****Station D****Ottawa K1P 5W6 (CA)**(57) **ABSTRACT**

A bio-monitor is built into a telephone handset or cell phone. Sensors are configured to obtain bio-signals while the handset or cell phone is in the position for normal speaking use of the telephonic device. This enables biosignal acquisition and/or bio-signal telephonic transmission to occur without the need for a position change to effect voice communications. The invention can also be constructed in the form of a case or harness designed to fit over a preexisting cell phone or a pre-existing telephone handset.

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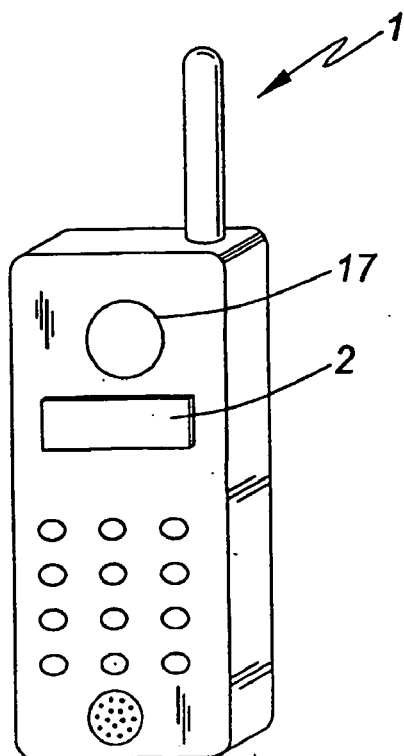


FIG. 1A

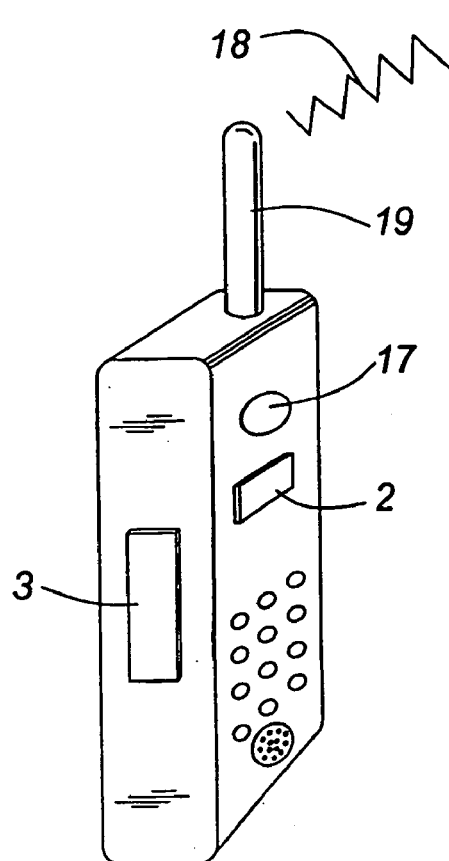


FIG. 1B

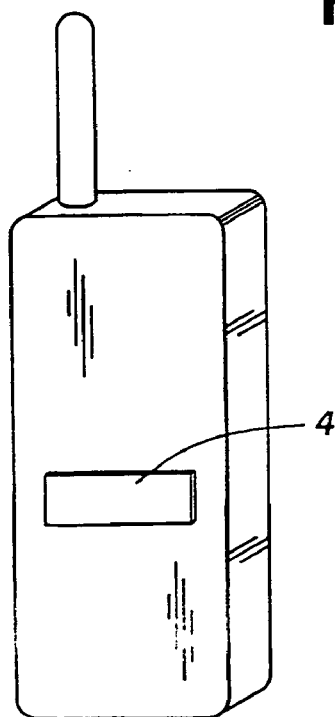


FIG. 1C

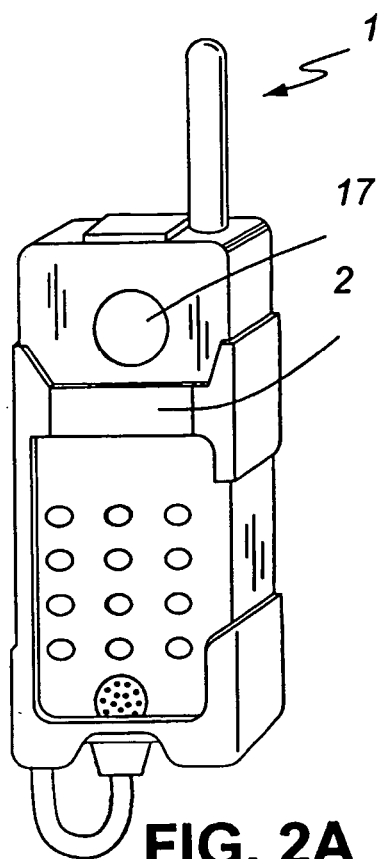


FIG. 2A

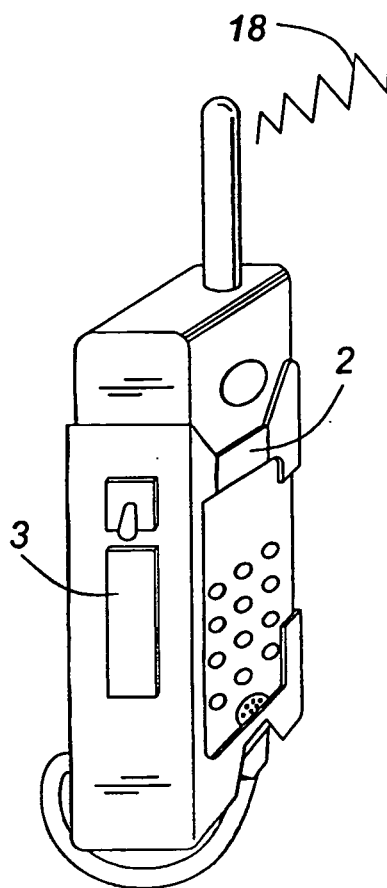


FIG. 2B

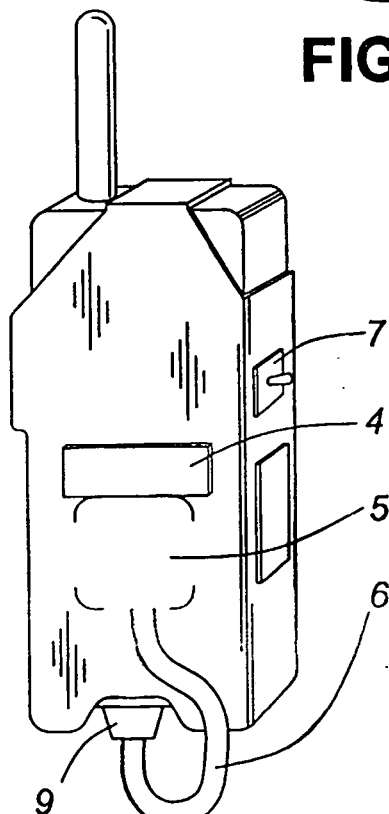


FIG. 2C

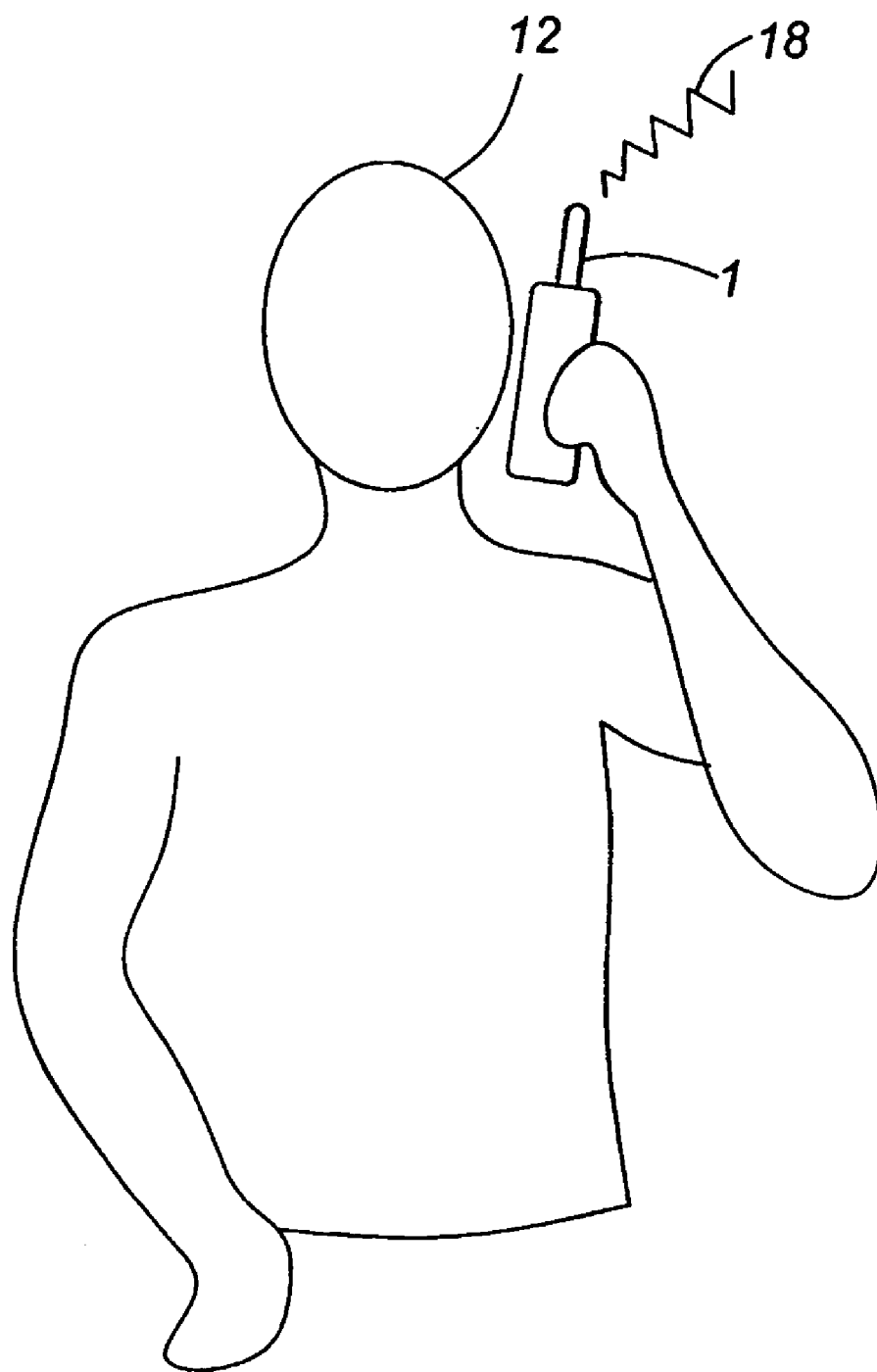


FIG. 3

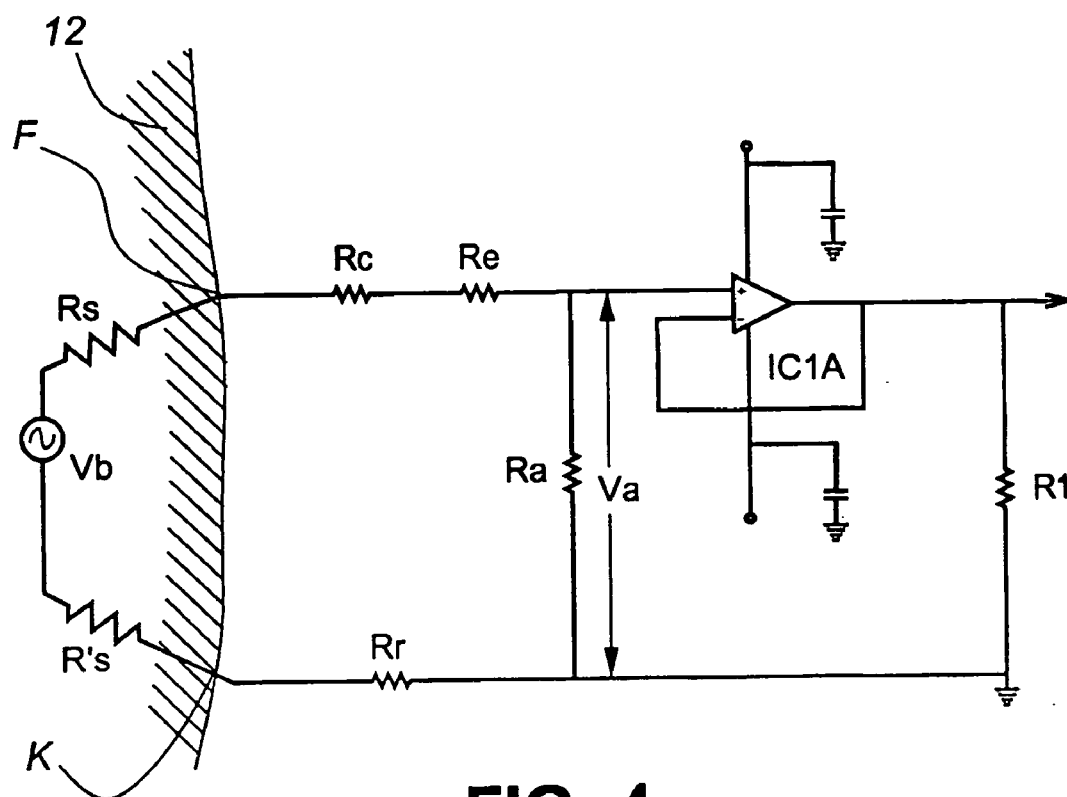


FIG. 4

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