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(54) **REMOTE MONITORING OF CARDIAC ELECTRICAL ACTIVITY USING A CELL PHONE DEVICE**

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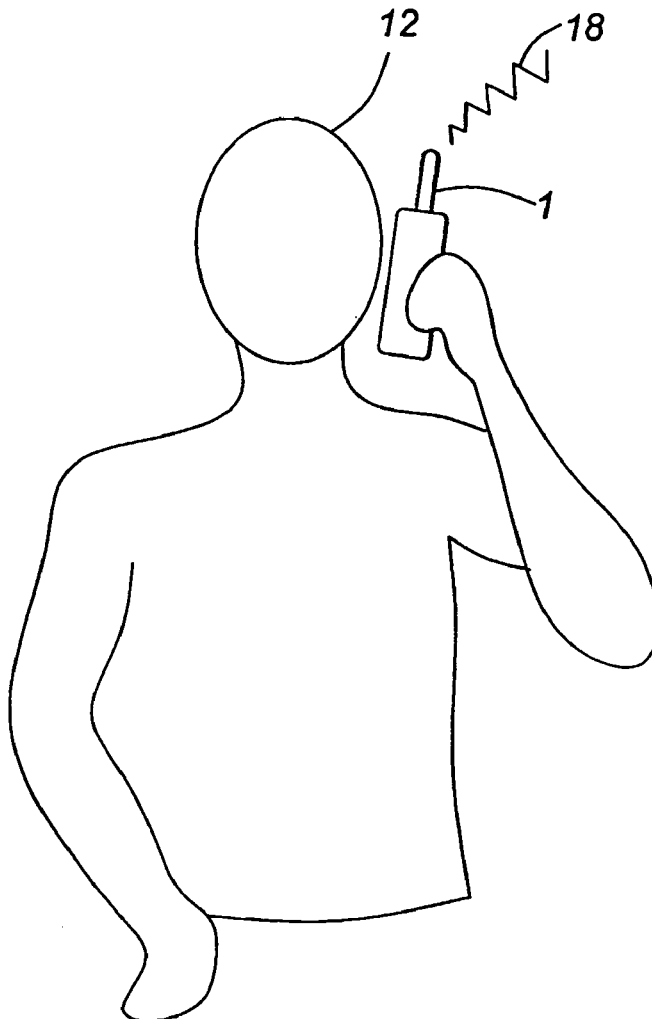
(57) **ABSTRACT**

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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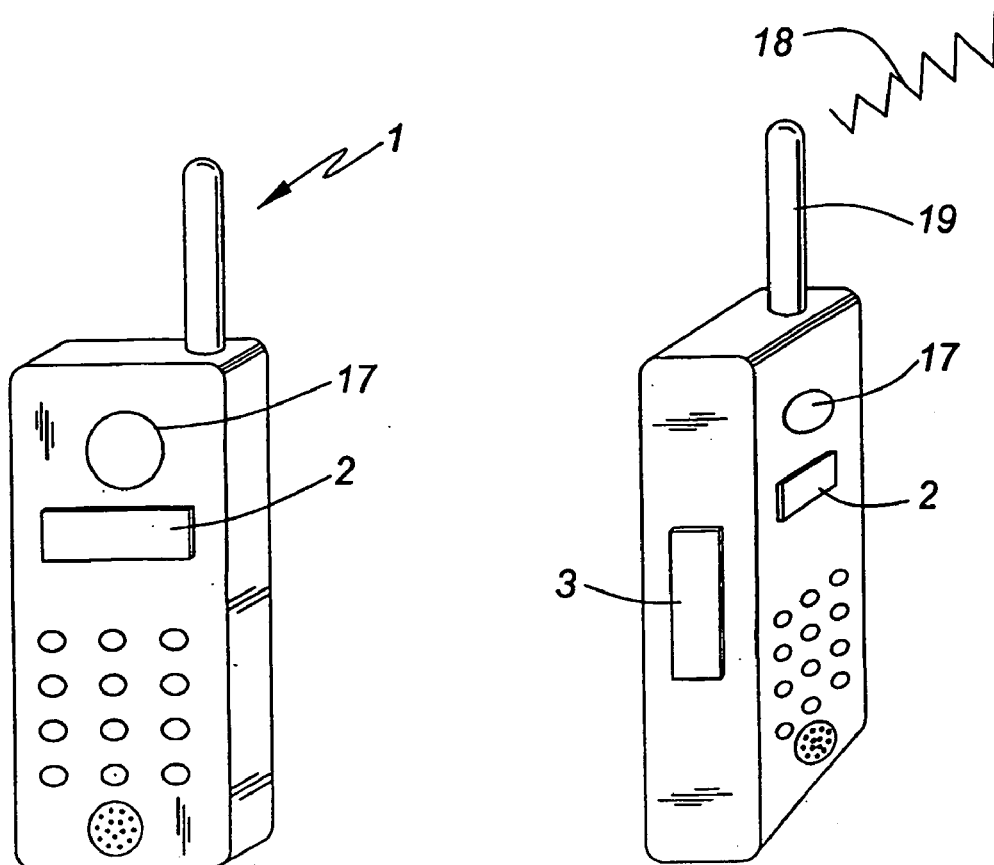


FIG. 1A

FIG. 1B

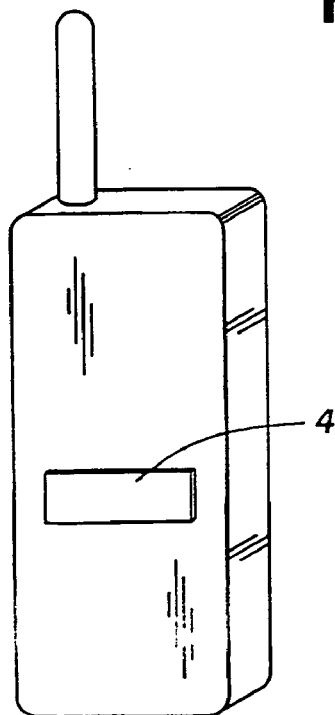


FIG. 1C

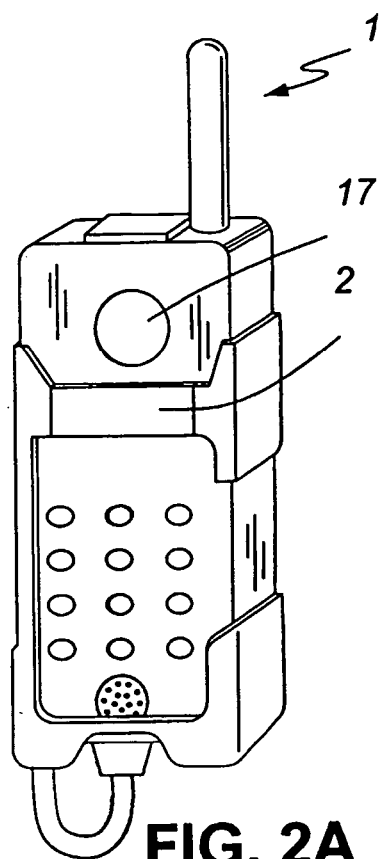


FIG. 2A

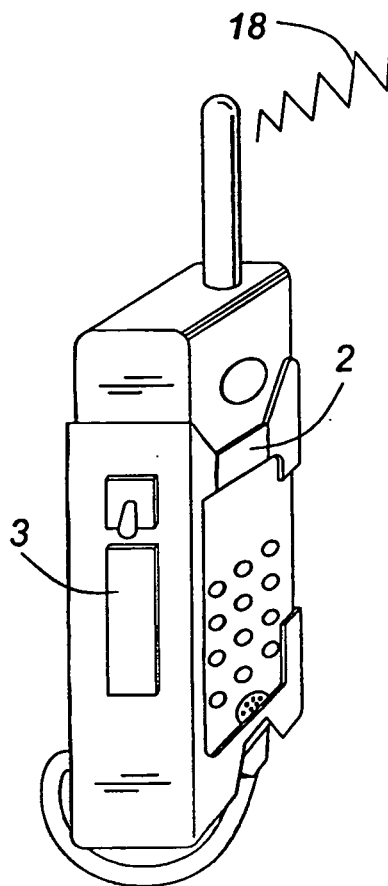


FIG. 2B

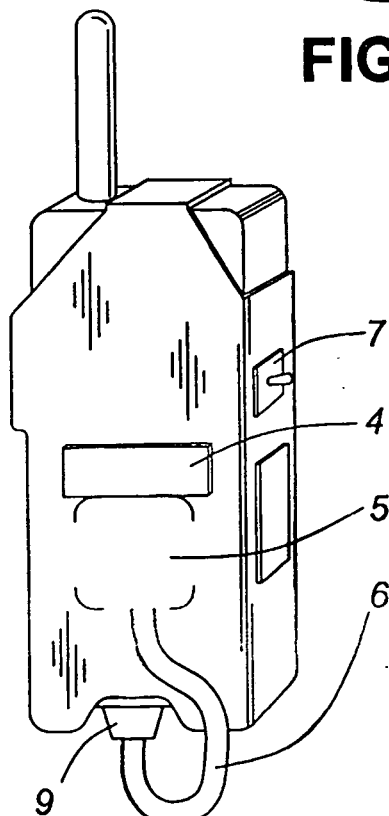


FIG. 2C

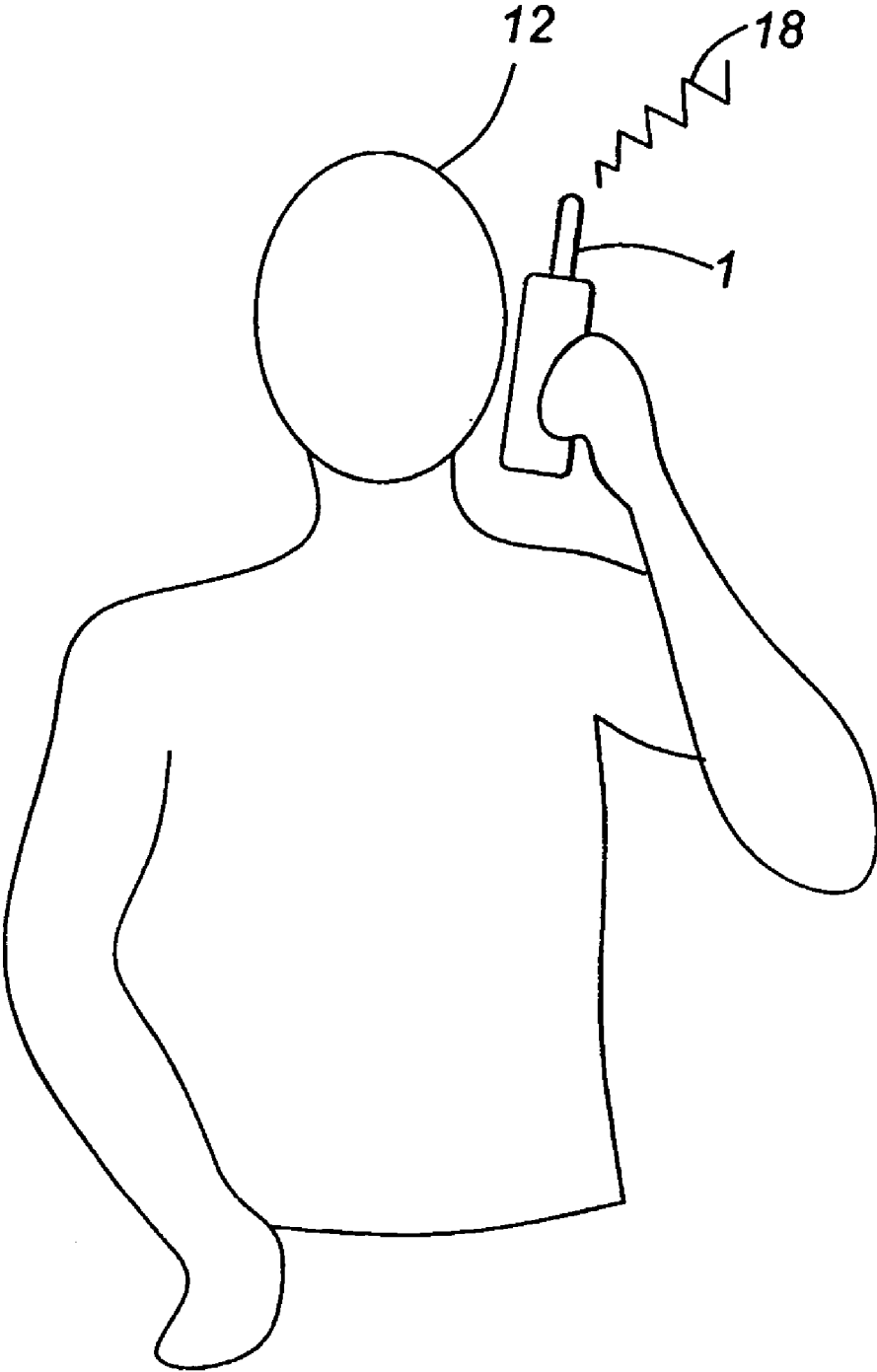


FIG. 3

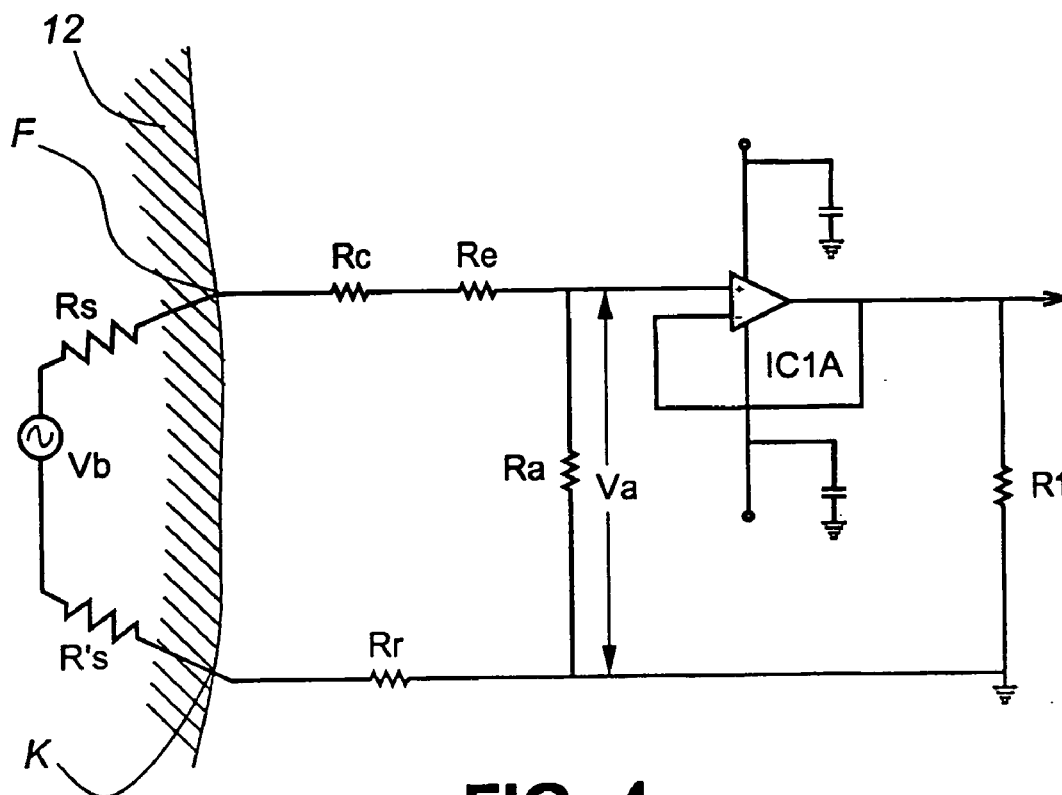


FIG. 4

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