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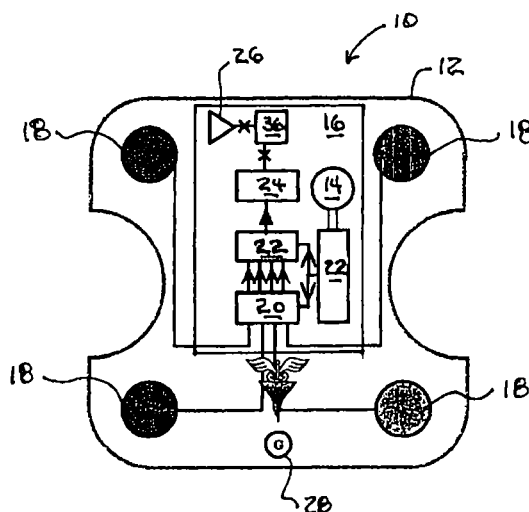
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(54) Title: WIRELESS MEDICAL MONITORING APPARATUS AND SYSTEM



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ACTION

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(57) Abstract: An apparatus for monitoring an electrical signal from a patient's body includes a disposable electrode patch (10) having a thin flexible housing (12) with an adhesive exterior, a power source (14), a printed circuit board (16), a plurality of electrodes (18), a converter (20) for converting a detected electrical signal from the patient's body to a digital signal, a processor (22) for processing the digital signal, and a transmitter (24) connected for transmitting the processed digital signal as a wireless signal. A monitoring unit (40) communicating with the electrode patch includes a power source, a transceiver, a global positioning receiver, a processor, at least one communication port for external communications, and a display. A system of the invention includes a plurality of patients having medical monitors wirelessly communicating biometric information to a central processor for archiving and accessing.

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