monitor sensor in accordance with a variety of predetermined test patterns.

15. A system for assessing operation of an activity monitor, comprising:

means for storing a predetermined test pattern of activity in memory,

conversion means for converting the predetermined test pattern of activity to a voltage and outputting the voltage as an excitation signal which substantially replicates said predetermined test pattern of activity,

generating means for generating a current in synchronization with said voltage output from said conversion means and outputting said current,

a receptacle for receiving an activity monitor and holding it motionless during assessment of the operation of the activity monitor,

means for generating a magnetic field proximate to said receptacle in response to said current output by the current generating means in accordance with said predetermined test pattern of activity, which induces a response in said activity monitor when received within said receptacle, and

a computer for correlating said predetermined test pattern of activity to said activity monitor response and determining any differences therebetween.

16. The system as defined in claim **15**, wherein said means for storing includes a read-only-memory.

17. The system as defined in claim **15**, wherein said conversion means for converting includes a digital-to-analog converter.

18. The system as defined in claim **15**, wherein said generating means for generating includes a transistor.

19. The system as defined in claim **15** further comprising response signal generating means for generating a response signal resulting from said response of said activity monitor and data transmission means for transmitting said response signal to said computer.

20. An activity monitor interface apparatus for interfacing between a processing unit and an activity monitor and for testing operation of the activity monitor, said activity monitor being one which is worn by a subject and detects and records occurrences of body movements of the subject, the interface apparatus comprising:

a receptacle unit which receives said activity monitor during testing of said activity monitor;

an excitation component that applies an excitation signal of interest to said activity monitor received in said receptacle during testing of said activity monitor to induce said activity monitor to generate a response signal in response to said excitation signal; and,

a transmission path that provides an electrical communication path between said receptacle unit and a processing unit, the transmission path transmitting the response signal generated by said activity monitor to the processing unit for comparison with said excitation signal.

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