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Conlan et al.

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[54] **COMPARATOR APPARATUS AND SYSTEM FOR ACTIVITY MONITORS**

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[58] Field of Search 128/782, 670, 128/671, 690, 721, 774, 722, 687, 713, 714; 607/19

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[57] **ABSTRACT**

A comparator for comparing the operation of activity monitors of the type having internal sensors responsive to excitation forces in order to record the activity of a wearer. includes a housing having a test platform and a monitor-receiving test fixture for holding an activity monitor motionless during testing. The comparator further includes an electromagnet for applying an excitation force to the monitor, by converting a prerecorded digital signal, or waveform, into analog voltage signals which are applied to the electromagnet for testing the monitor. The monitor may be subjected to a variety of test patterns of activity.

20 Claims, 6 Drawing Sheets

