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**United States Patent** [19]

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**Luff et al.**

[45] **Date of Patent:** **Dec. 28, 1999**

[54] **HAND-HELD CONTROLLER FOR BED AND MATTRESS ASSEMBLY**

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[22] Filed: **Apr. 22, 1998**

[51] **Int. Cl.**<sup>6</sup> ..... **G09G 3/20; H04B 3/60; A47C 27/10**

[52] **U.S. Cl.** ..... **318/16; 5/618; 5/713**

[58] **Field of Search** ..... **318/16; 5/600, 5/612, 613, 616, 658, 935, 713, 618**

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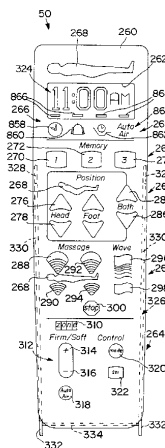
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[57] **ABSTRACT**

A hand-held controller is provided for controlling at least one function of a bed and mattress assembly. The hand-held controller includes a button engageable to control the at least one function of the bed and mattress assembly, and a display configured to provide feedback to a user regarding the at least one function. The display simultaneously displays a graphical image and numerical data when the button is engaged.

**51 Claims, 45 Drawing Sheets**



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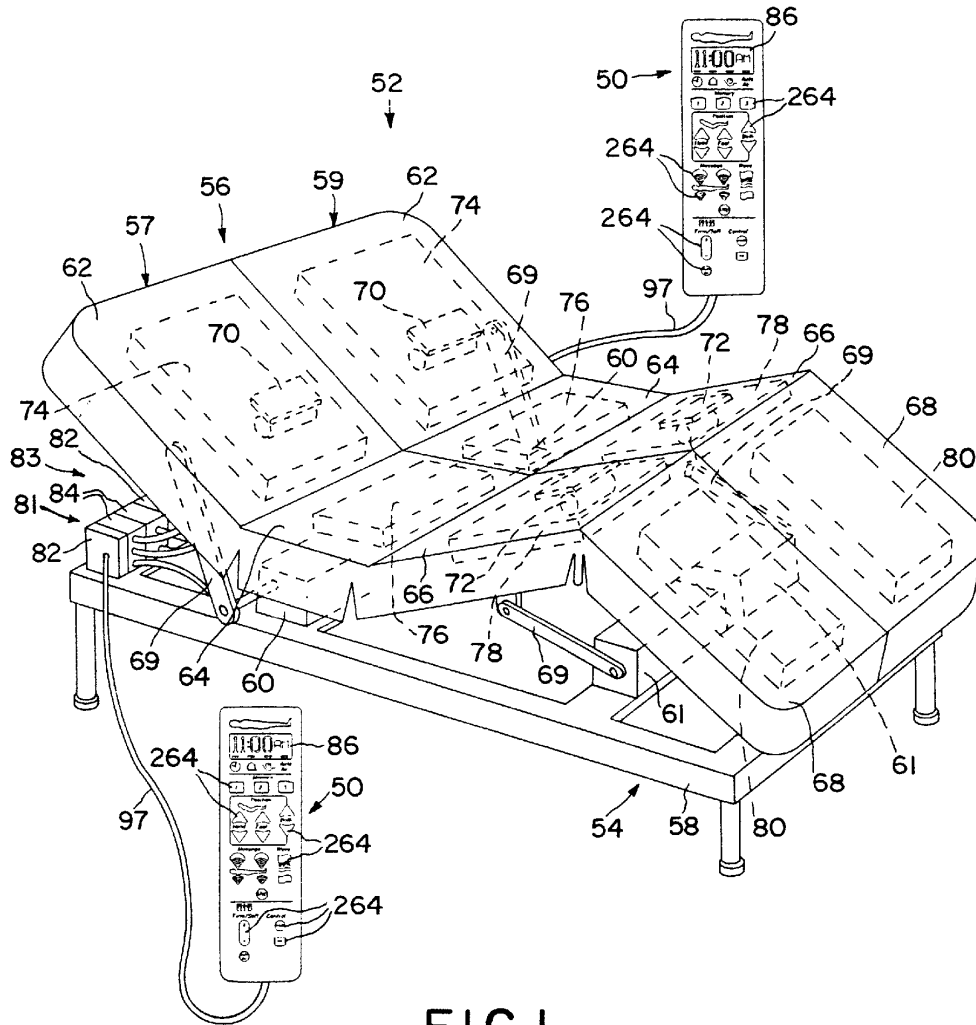


FIG. 1

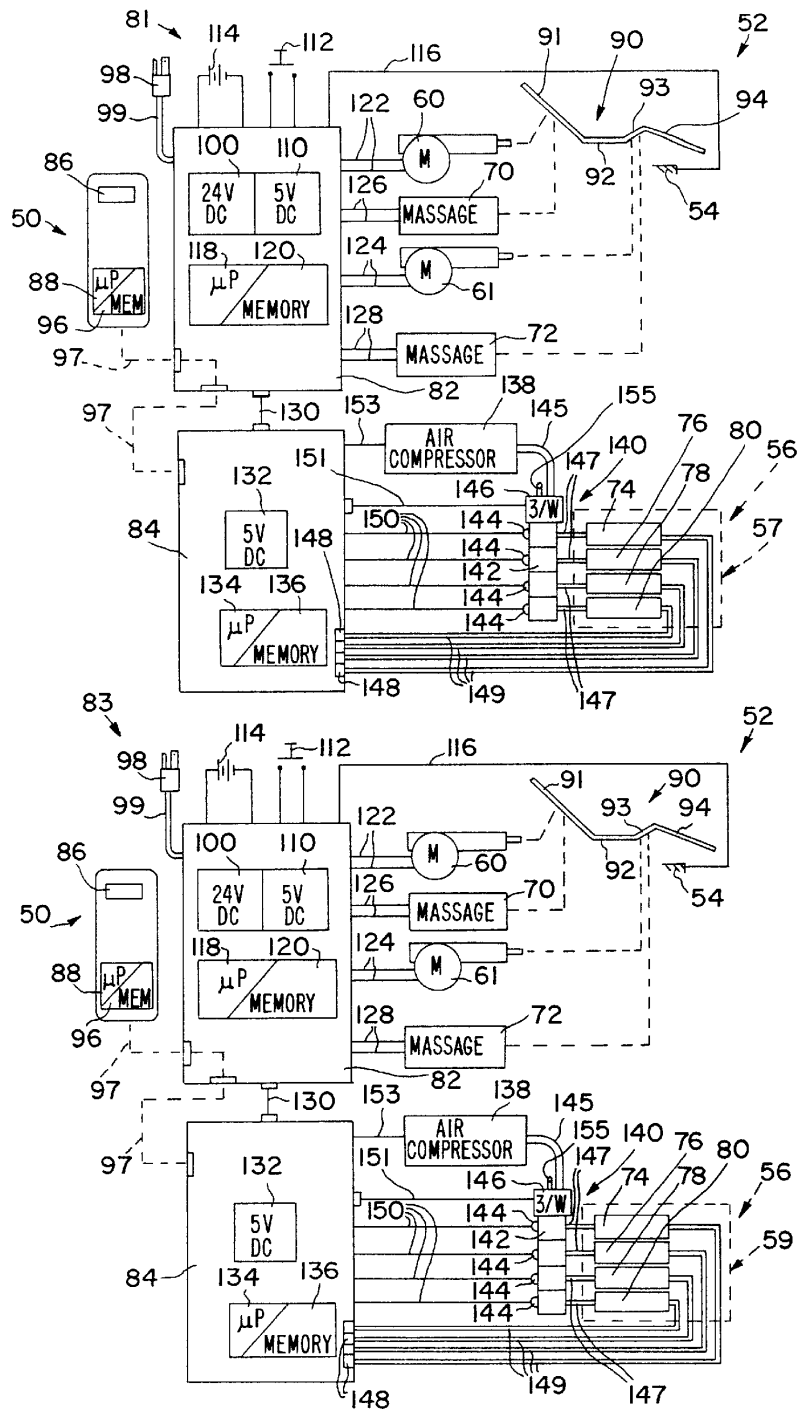


FIG. 1a

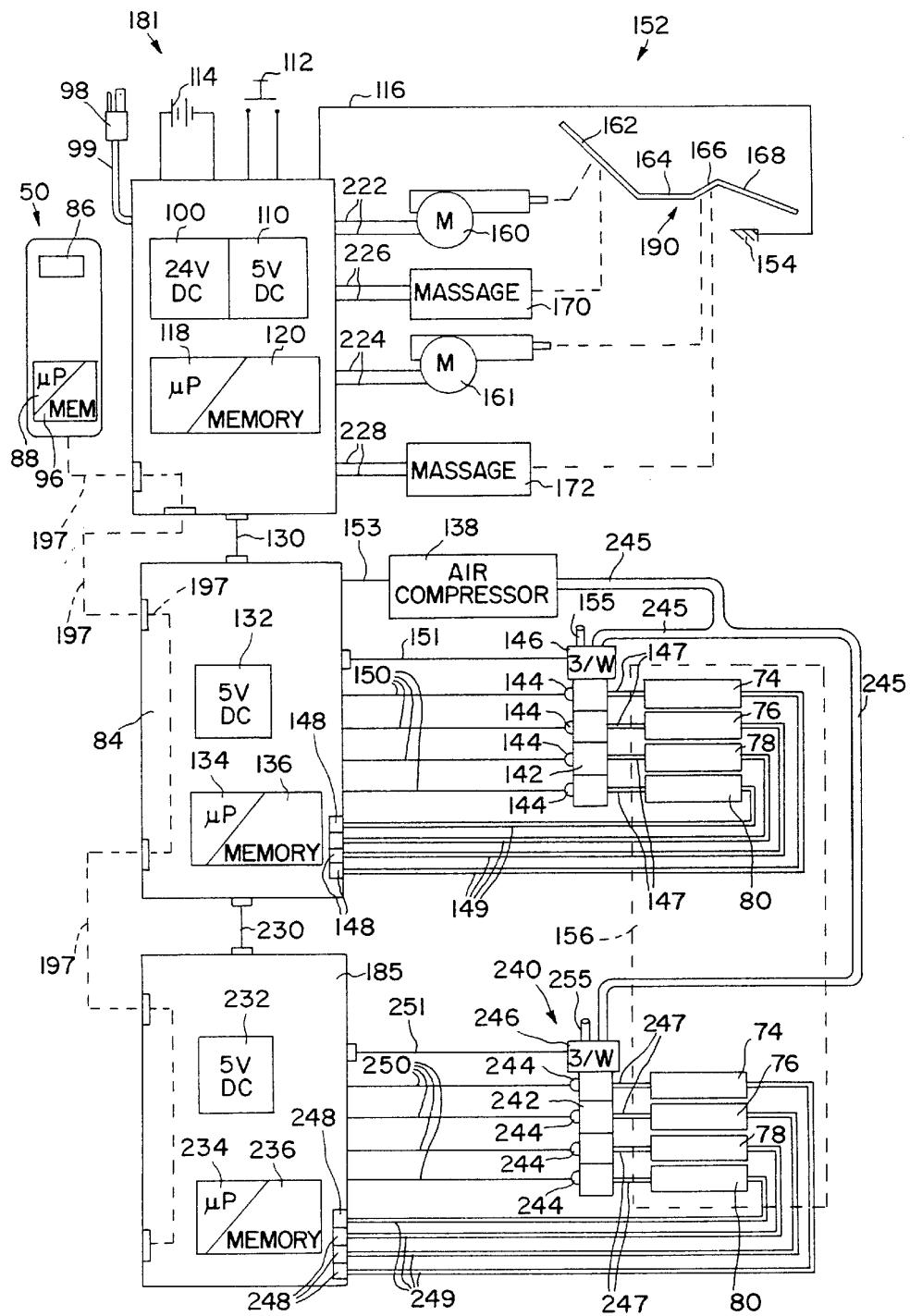


FIG. 2

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