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Johnson et al.

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[54] **AUDIO STORAGE/REPRODUCTION SYSTEM WITH AUTOMATED INVENTORY CONTROL**

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[21] Appl. No.: 436,003

[22] Filed: May 5, 1995

[51] Int. Cl.⁶ G06F 12/00; H03M 3/00

[52] U.S. Cl. 364/400.01; 364/249.2; 364/954.2; 395/427; 360/32; 365/45

[58] Field of Search 370/94.2, 110.1, 370/85.1; 364/514 A, 927.92, 940, 400.01, 236.6, 249.2, 249, 954, 954.3, 954.2; 395/2.1, 154, 430, 427, 431, 428, 432, 280; 369/1, 13, 14, 15, 30, 47, 75.1, 178, 272, 275.2; 365/45, 52, 63, 78, 189.01, 189.02, 230.01, 230.02; 361/600, 796; 360/92; 341/110

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Assistant Examiner—Huy D. Vu
Attorney, Agent, or Firm—Patula & Associates

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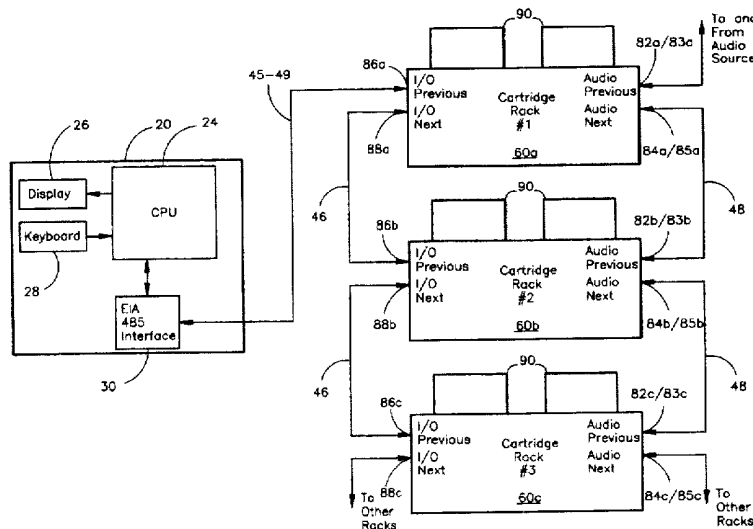
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[57] ABSTRACT

An audio system is disclosed wherein music cartridges are utilized in a series of cartridge racks for non-mechanical playback and recordation of an entire music collection. The audio signals are stored on music cartridges which are insertable into one of a plurality of cartridge racks. The cartridge racks are operatively connected with the music player of the audio system. The audio system is completely solid state, i.e. it has no moving parts and has the advantages of allowing quick and reliable playback and storage of any music cartridge of the user's entire selection, as desired by the user. The system is self-programmable and expandable, whereby additional cartridge racks can be connected for additional storage of music cartridges allowing any music cartridge from the entire collection to be accessed at any-time.

8 Claims, 22 Drawing Sheets



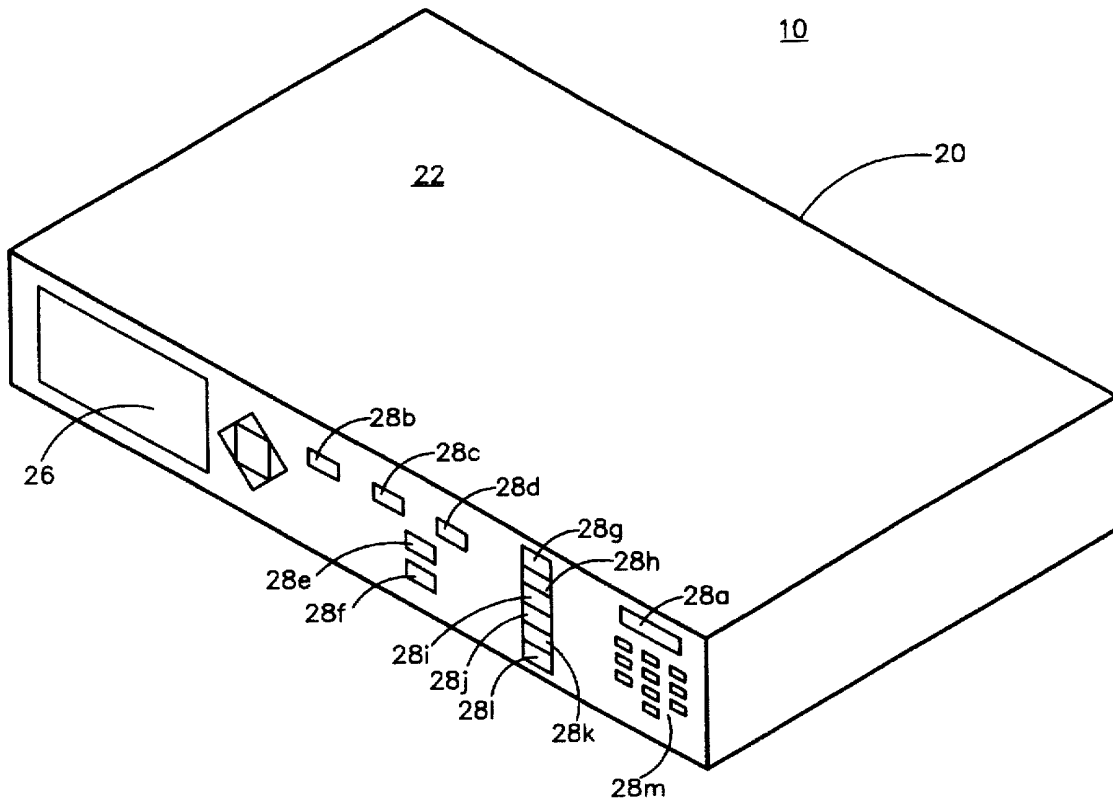


FIG. 1

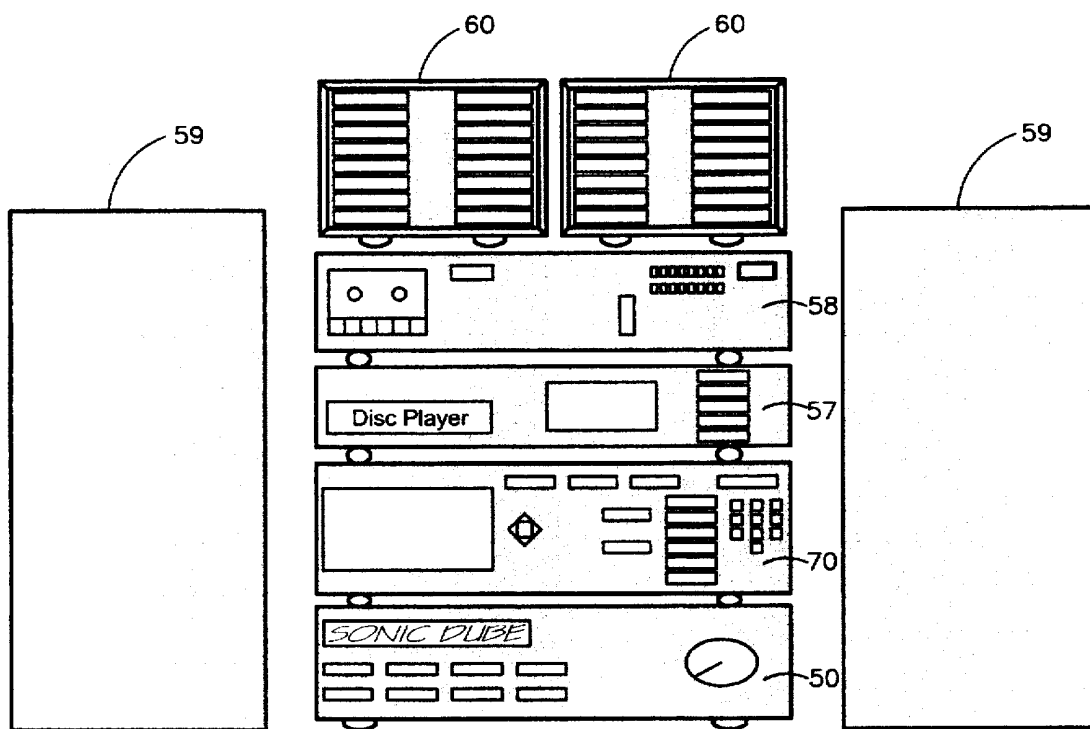
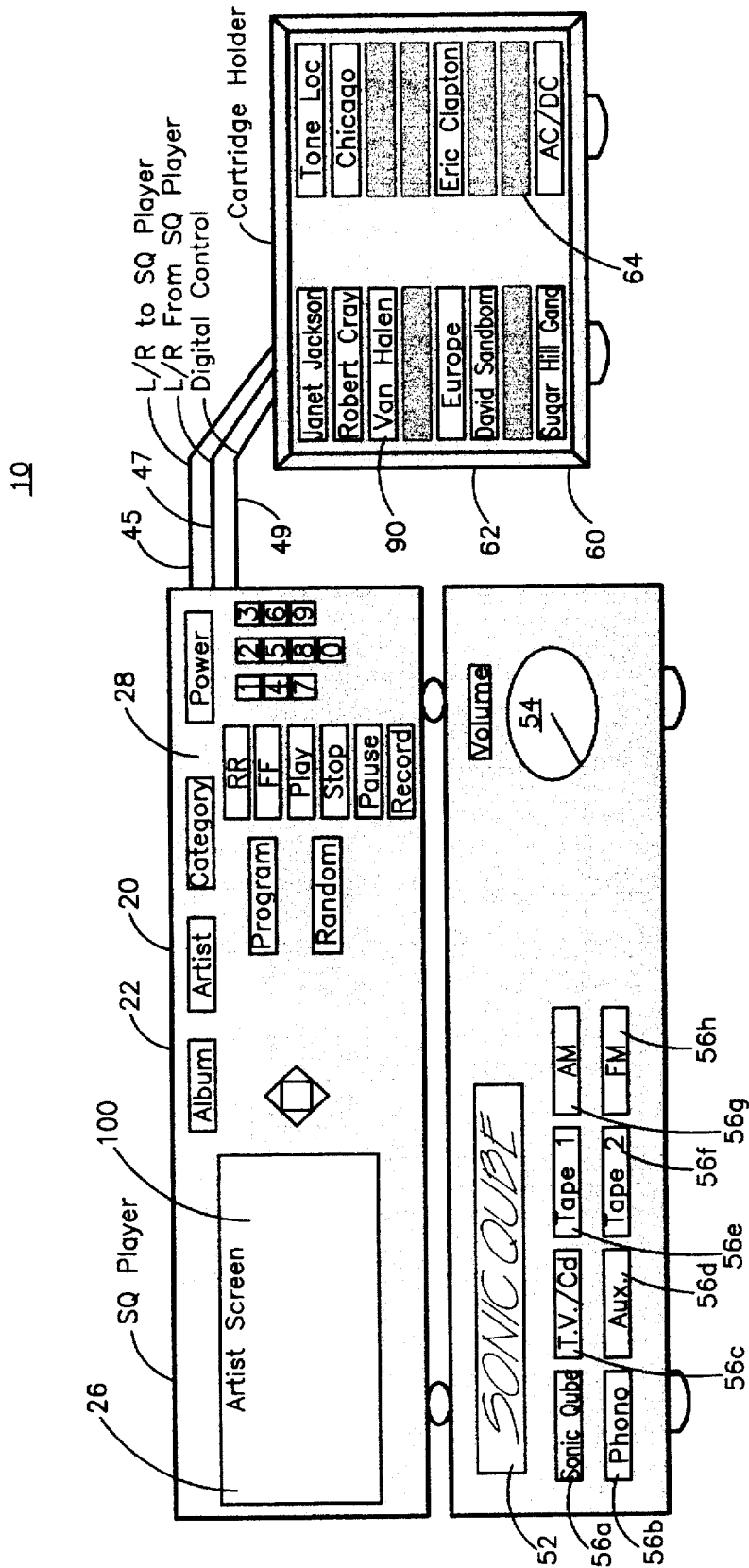
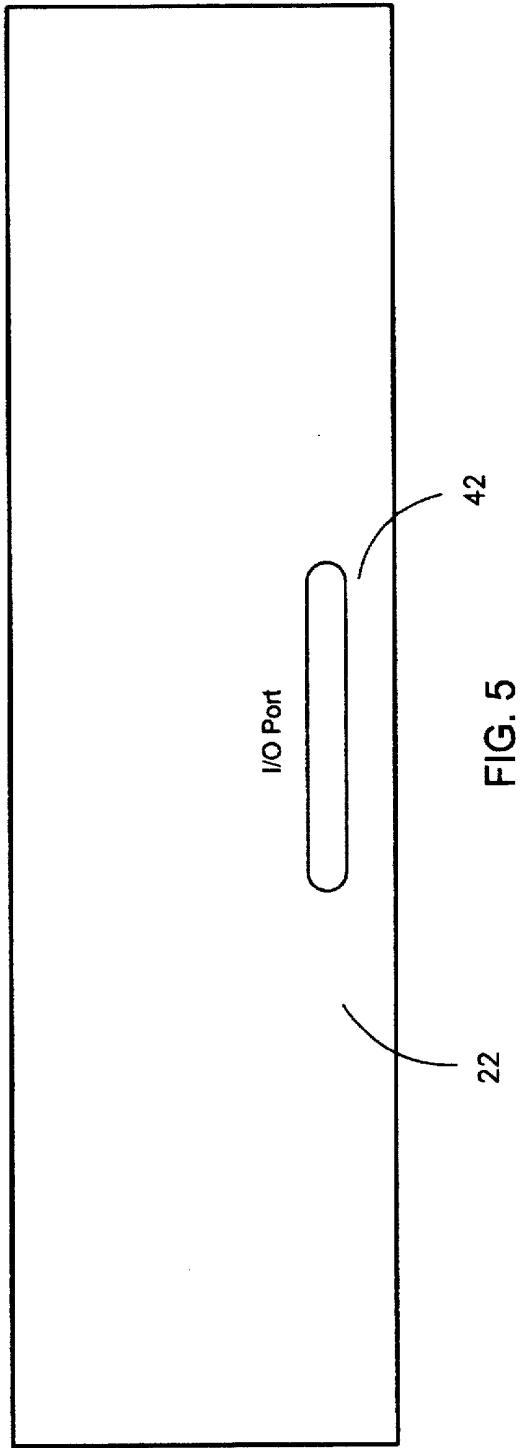
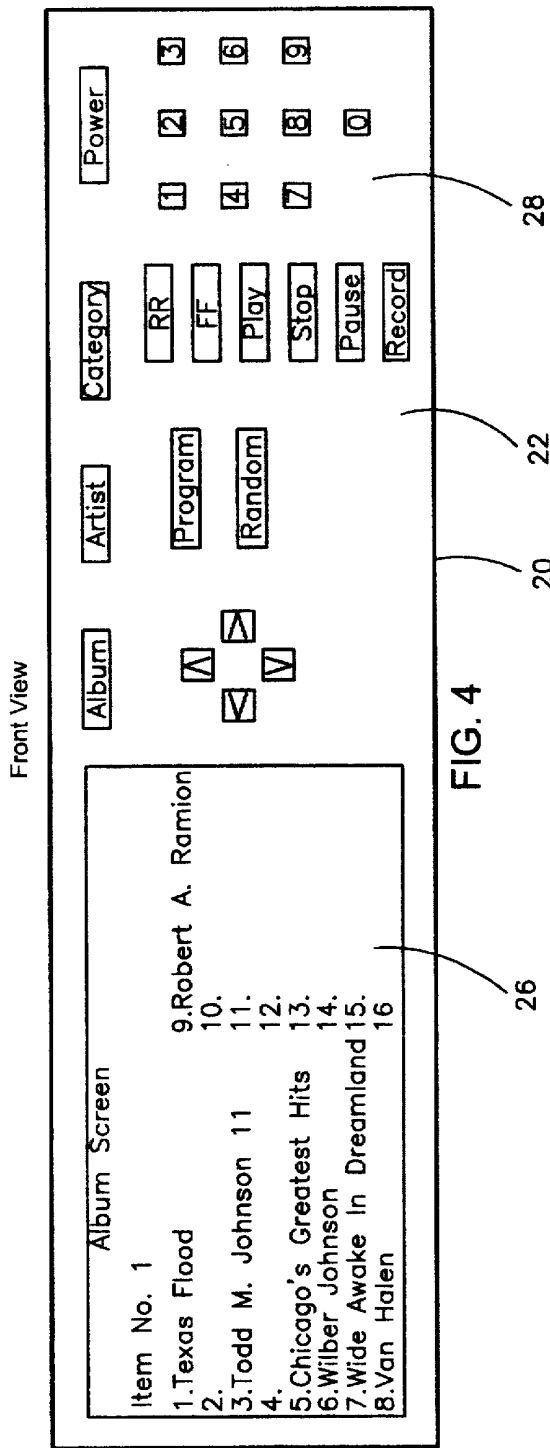


FIG. 2





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