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Lau et al.

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- (54) **AUDIO/VISUAL SERVER**
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- (52) U.S. Cl. **709/228; 709/203; 364/515**
- (58) **Field of Search** **709/206, 203, 709/217, 218, 222, 225, 228, 232; 710/8, 10; 705/51; 364/514, 515**

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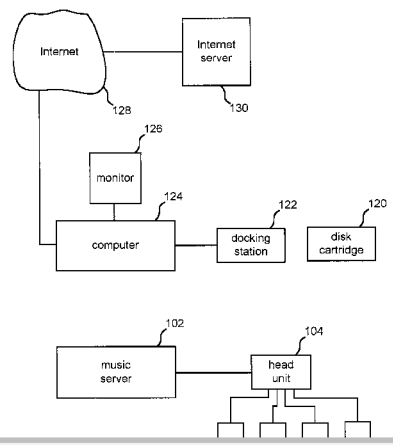
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(57) **ABSTRACT**

An audio/visual server is described that can be used to store and play audio/visual data. A removable hard disk (or other media) is connected to a dock that is in communication with a computer. While the removable hard disk is connected to the dock, audio/visual data can be transferred from the computer to the hard disk. After the hard disk is removed from the dock and connected to the audio/visual server, the server can access and play the audio/visual data. In one embodiment, the audio/visual server stores and plays music, emulates a disc changer, and communicates with an automobile stereo head unit. The interface with the head unit is programmable so that multiple head units can be supported.

36 Claims, 16 Drawing Sheets



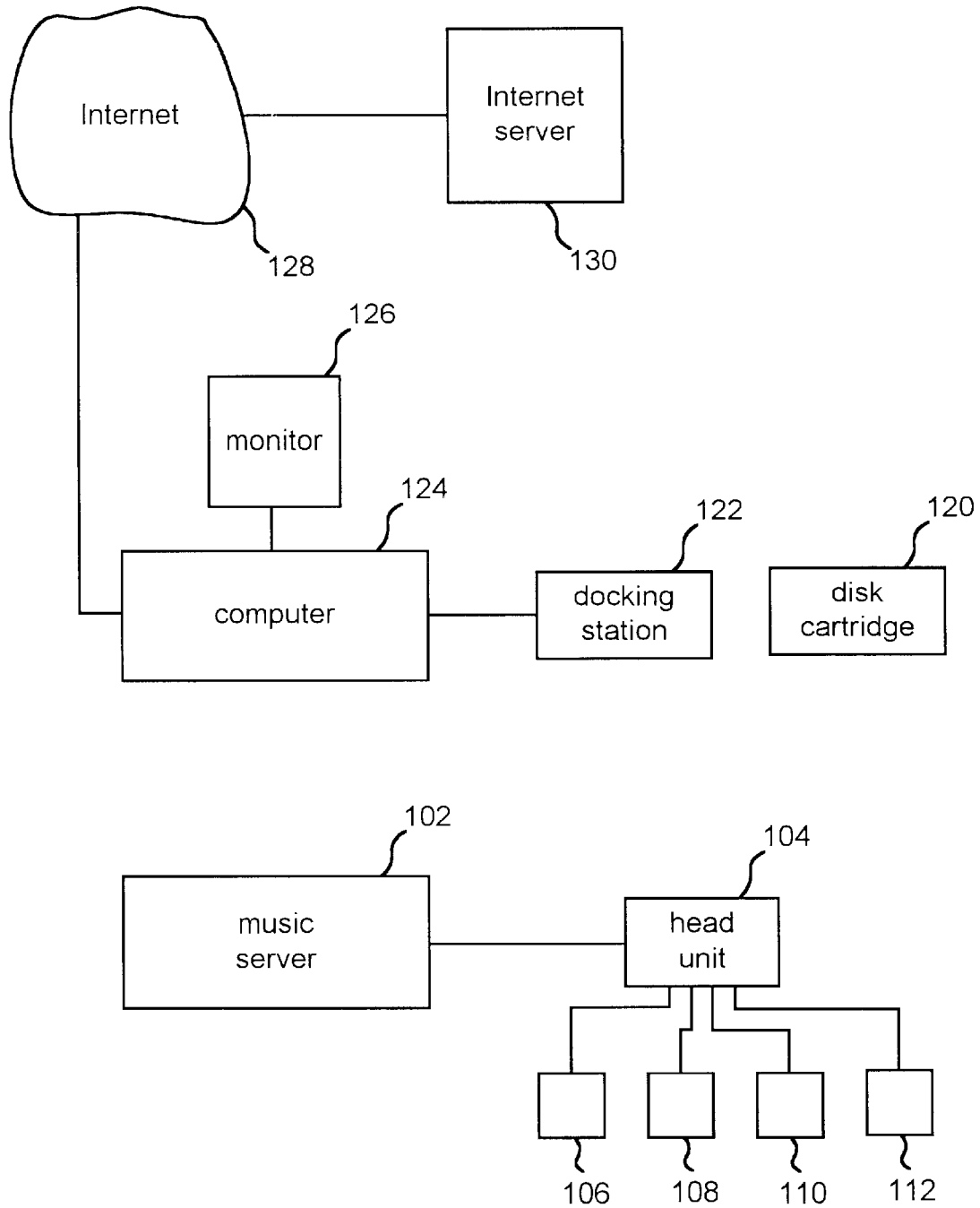


Fig. 1

Fig. 2

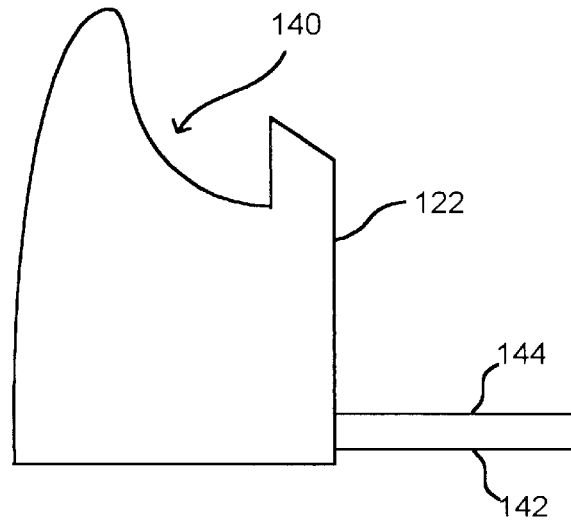
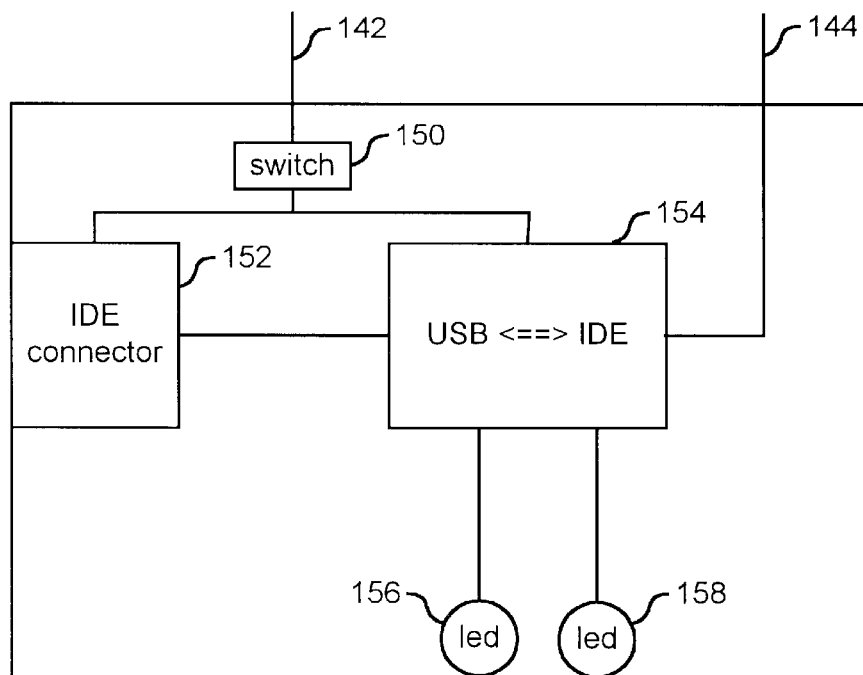


Fig. 3



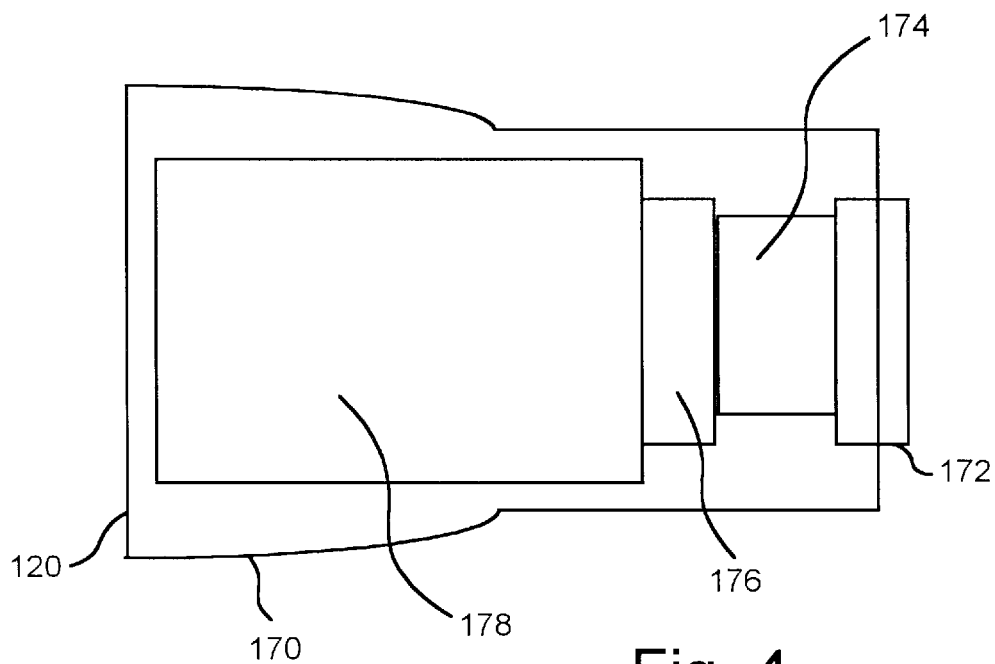


Fig. 4

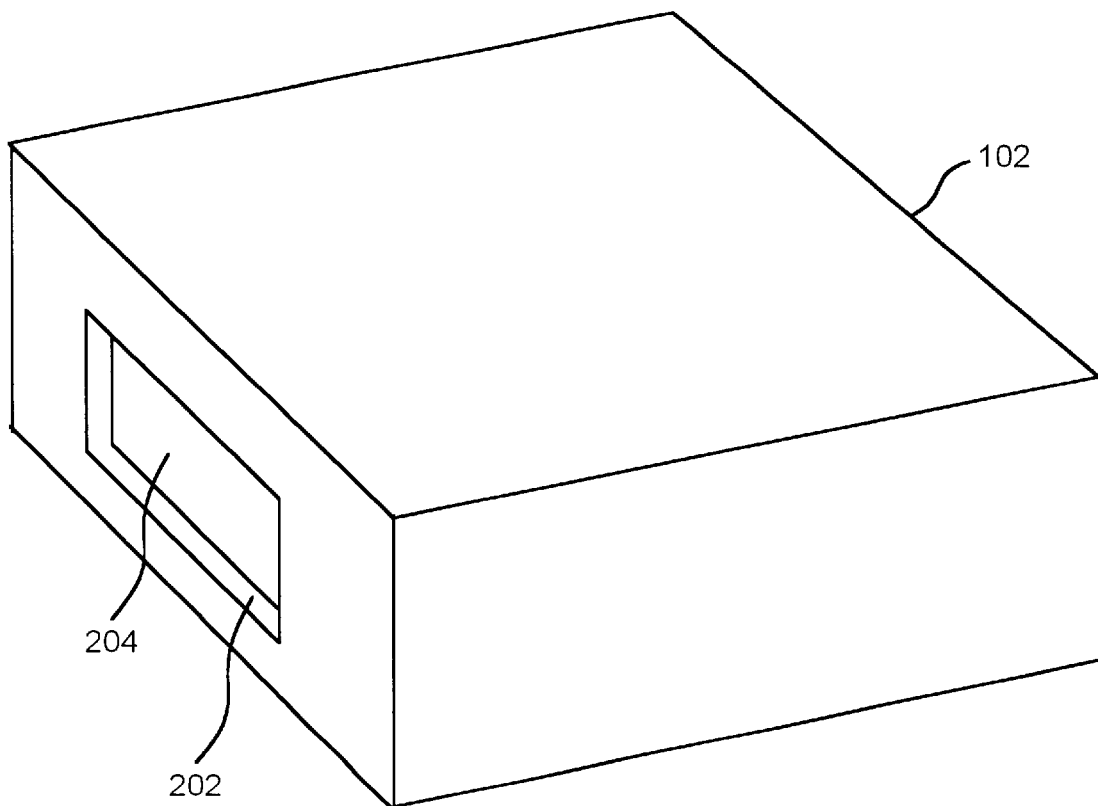
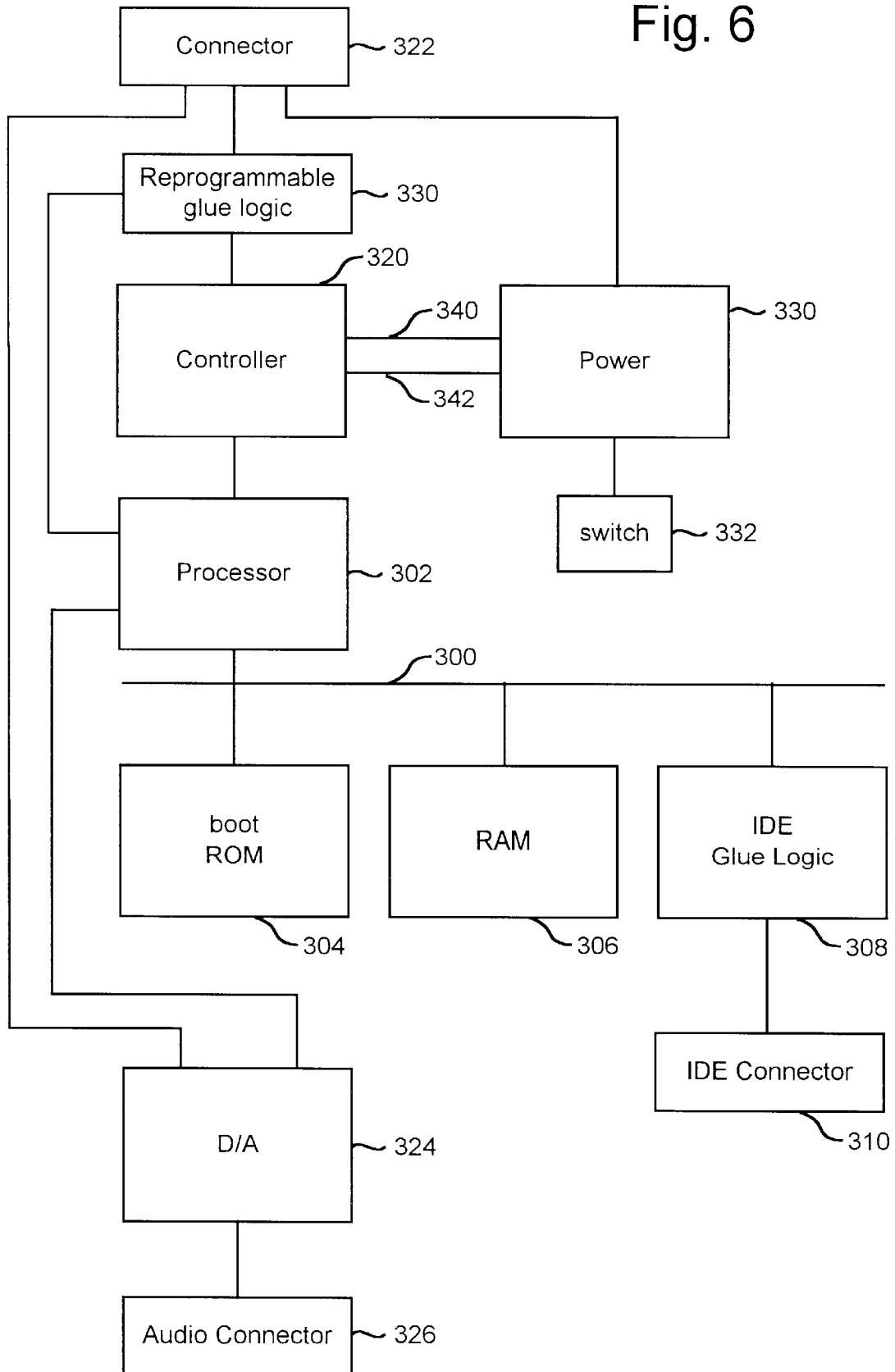


Fig. 5

Fig. 6



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