

## (12) United States Patent

Gioscia et al.

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#### (54) PERSONAL MUSIC DEVICE WITH A GRAPHICAL DISPLAY FOR CONTEXTUAL INFORMATION

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/190,260** 

(22) Filed: Nov. 13, 1998

345/636; 369/24; 369/30; 369/33; 369/34; 369/34;

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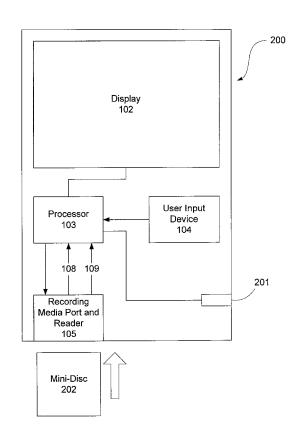
<sup>\*</sup> cited by examiner

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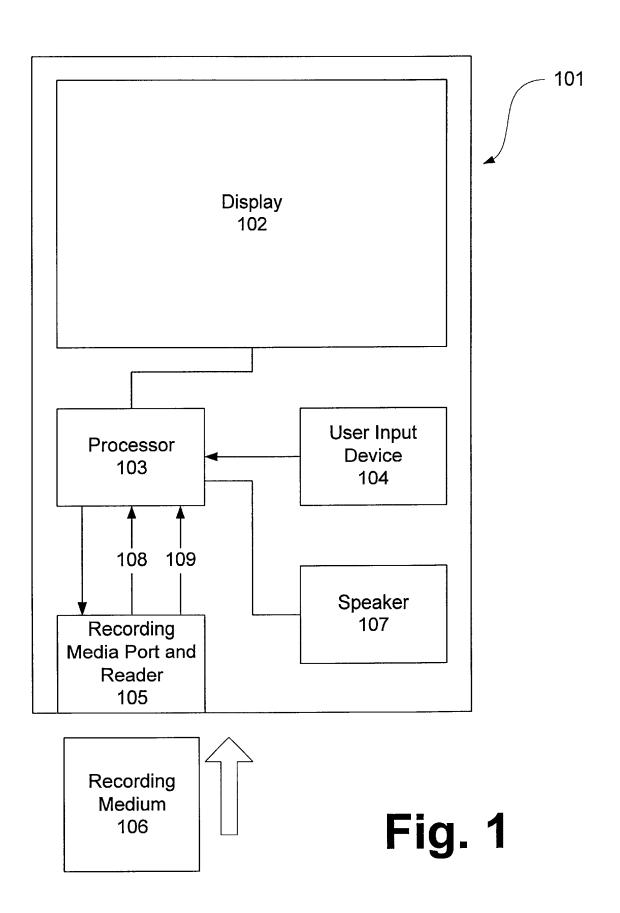
#### (57) ABSTRACT

An audio system for playing recordings of audio programming includes a relatively large display device on which contextual information about the audio programming may be displayed. The contextual information is recorded on the same recording medium as the audio programming and may include any textual information or graphic images related to the audio programming or the artists who produced it. Preferably, the audio system is a personal, portable audio system which is battery-operated and which reads minidiscs.

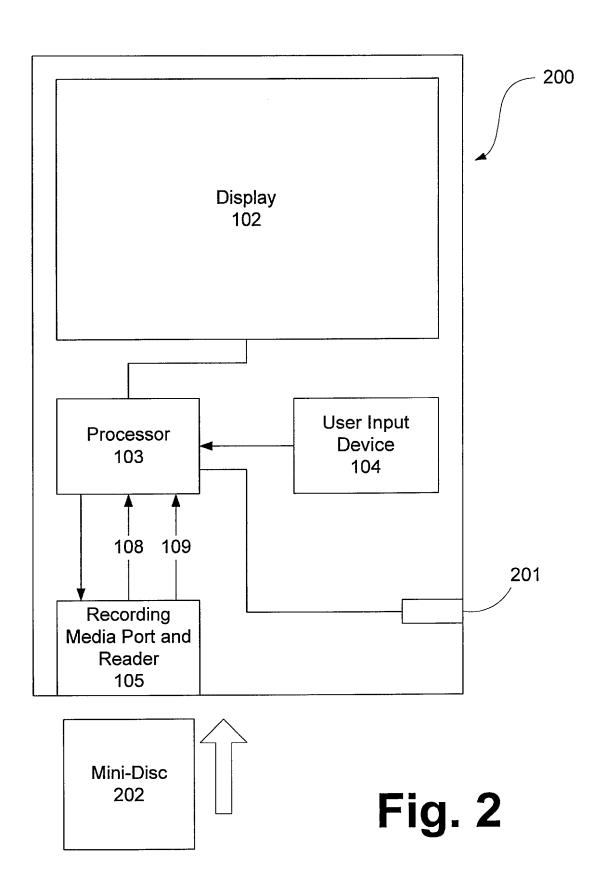
#### 15 Claims, 4 Drawing Sheets



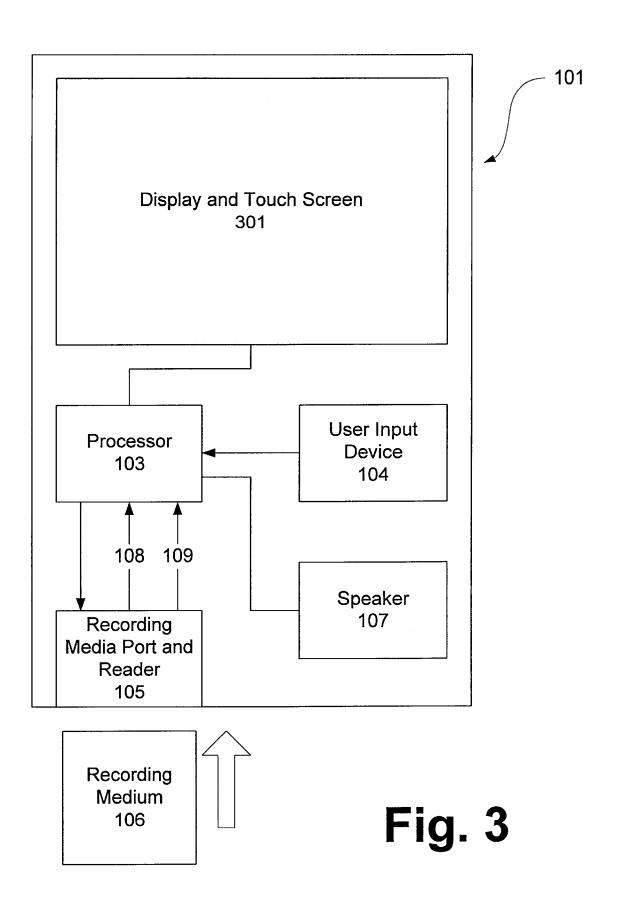




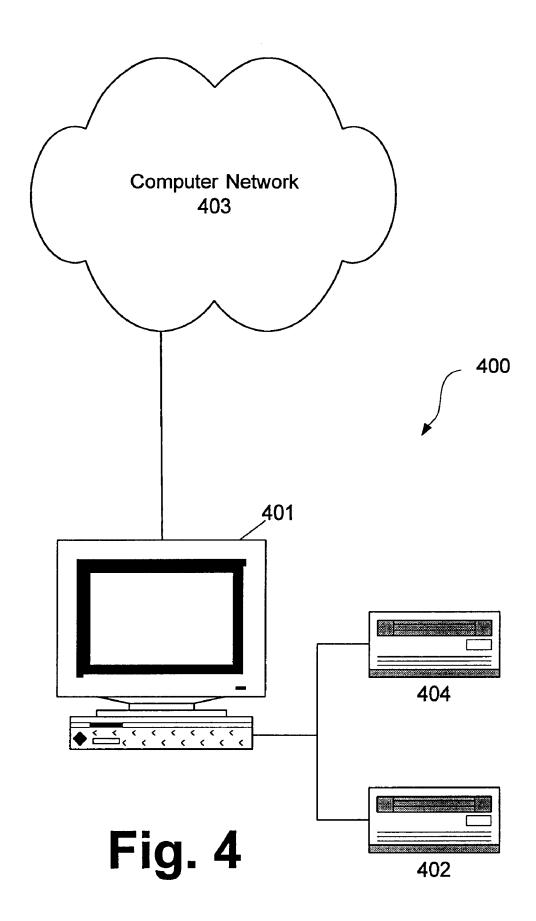














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