

(54) **METHOD AND SYSTEM OF MANAGING VOLUME AND FUNCTIONALITY CONTROL BETWEEN AN AUDIO PLAYER AND WIRELESS EARPHONES**

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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 462 days.

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Related U.S. Application Data

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(51) **Int. Cl.**

H04M 3/00 (2006.01)
H04B 7/00 (2006.01)

(52) **U.S. Cl.** **455/419**; 455/420; 455/41.2; 455/575.2; 455/355

(58) **Field of Classification Search** 455/418, 455/419, 420, 41.2, 569.1, 575.2
See application file for complete search history.

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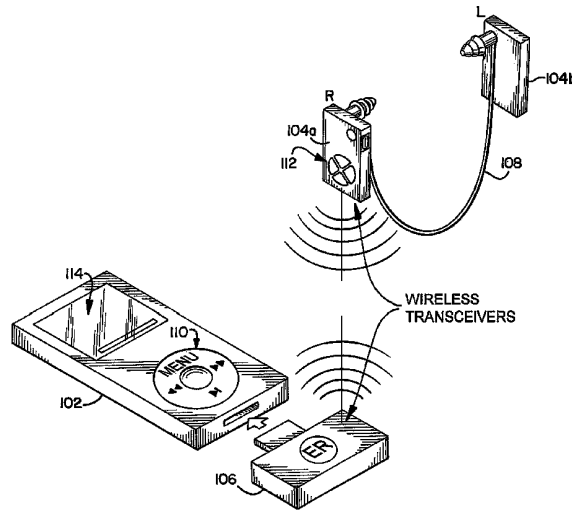
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(57) **ABSTRACT**

A method and system for providing low-noise, high-fidelity wireless Bluetooth earphones with control operation either at the earphone or the player that operate to control the volume and other functionality from either location in a seamless manner and provide probe volume control display regardless of which location is used.

27 Claims, 6 Drawing Sheets



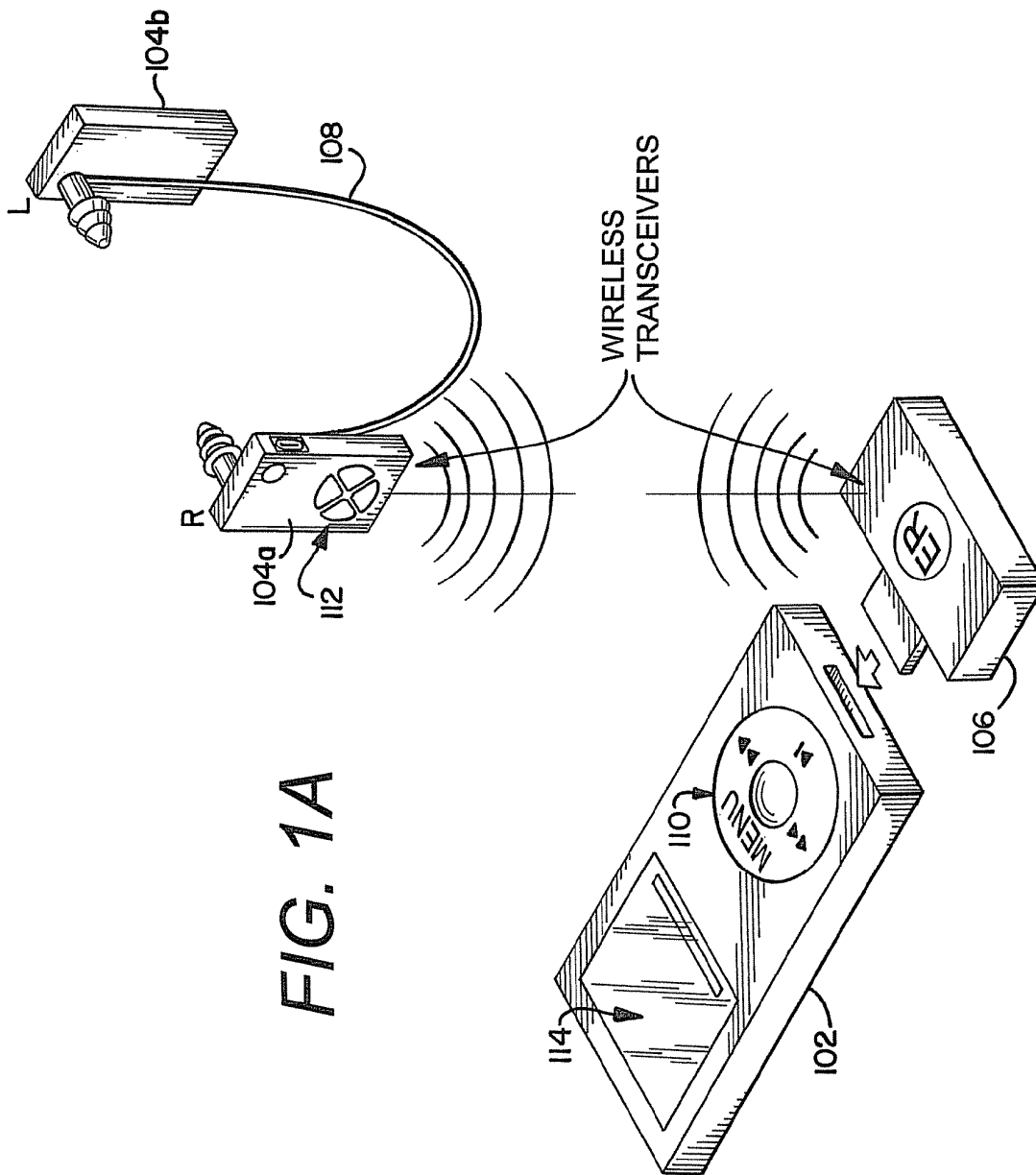


FIG. 1C

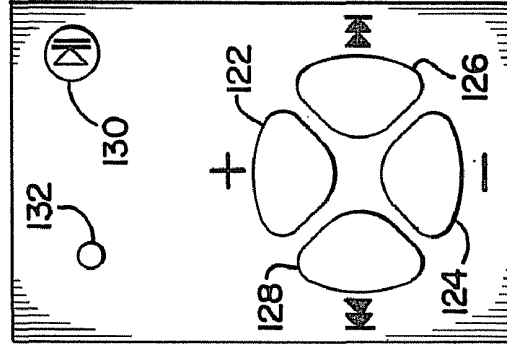
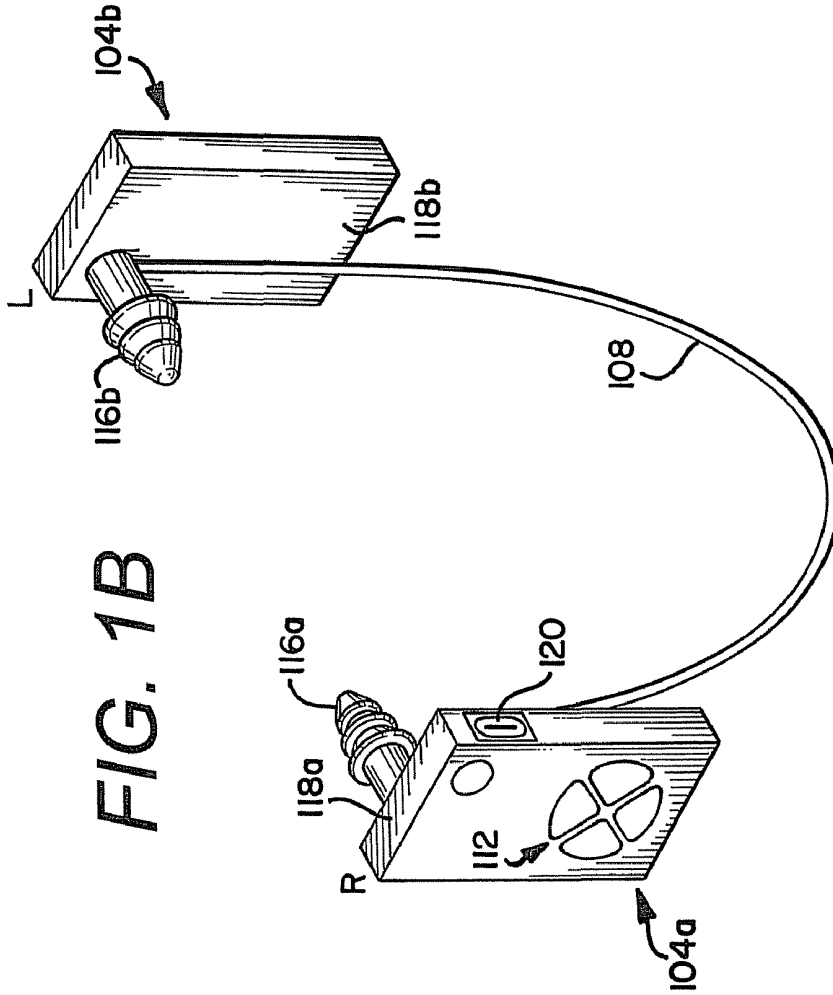


FIG. 1B



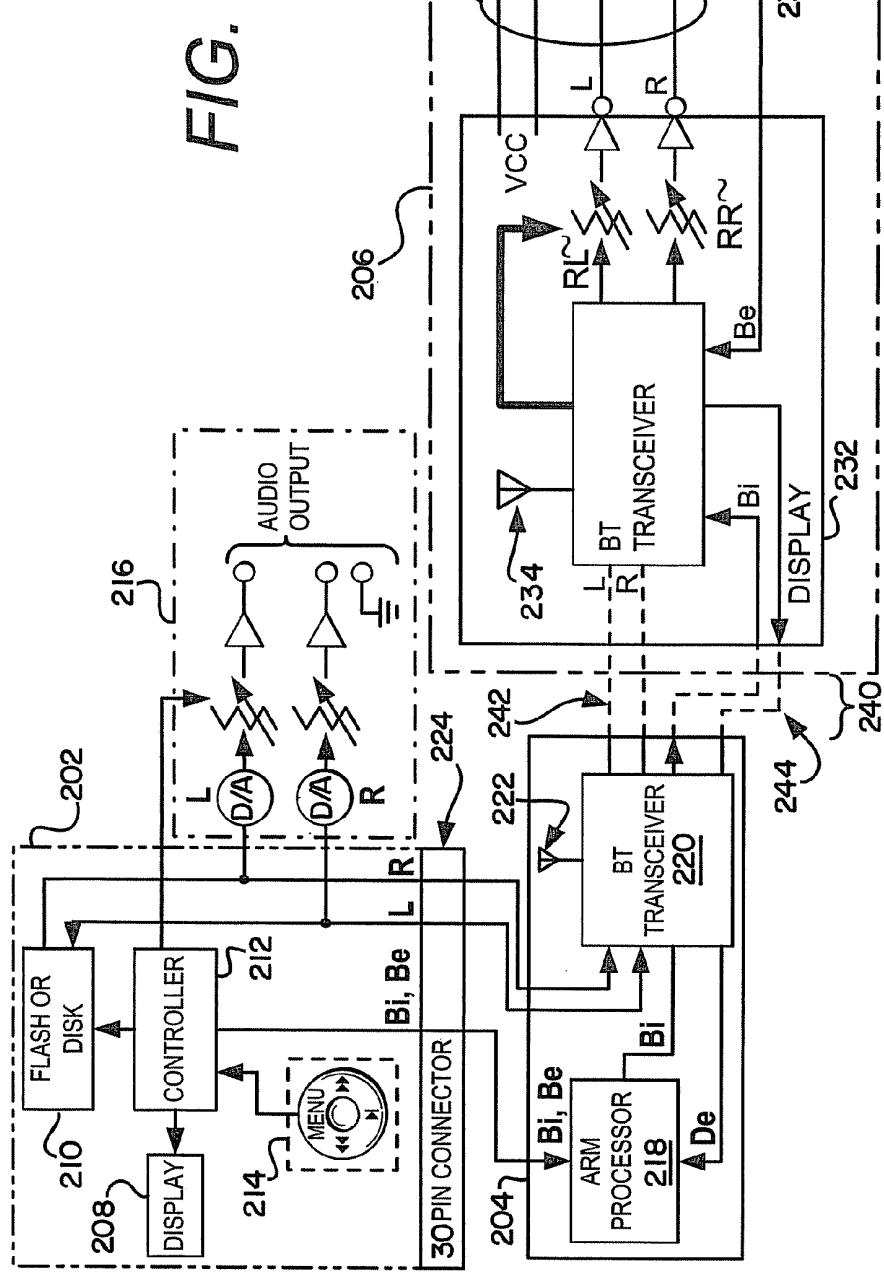
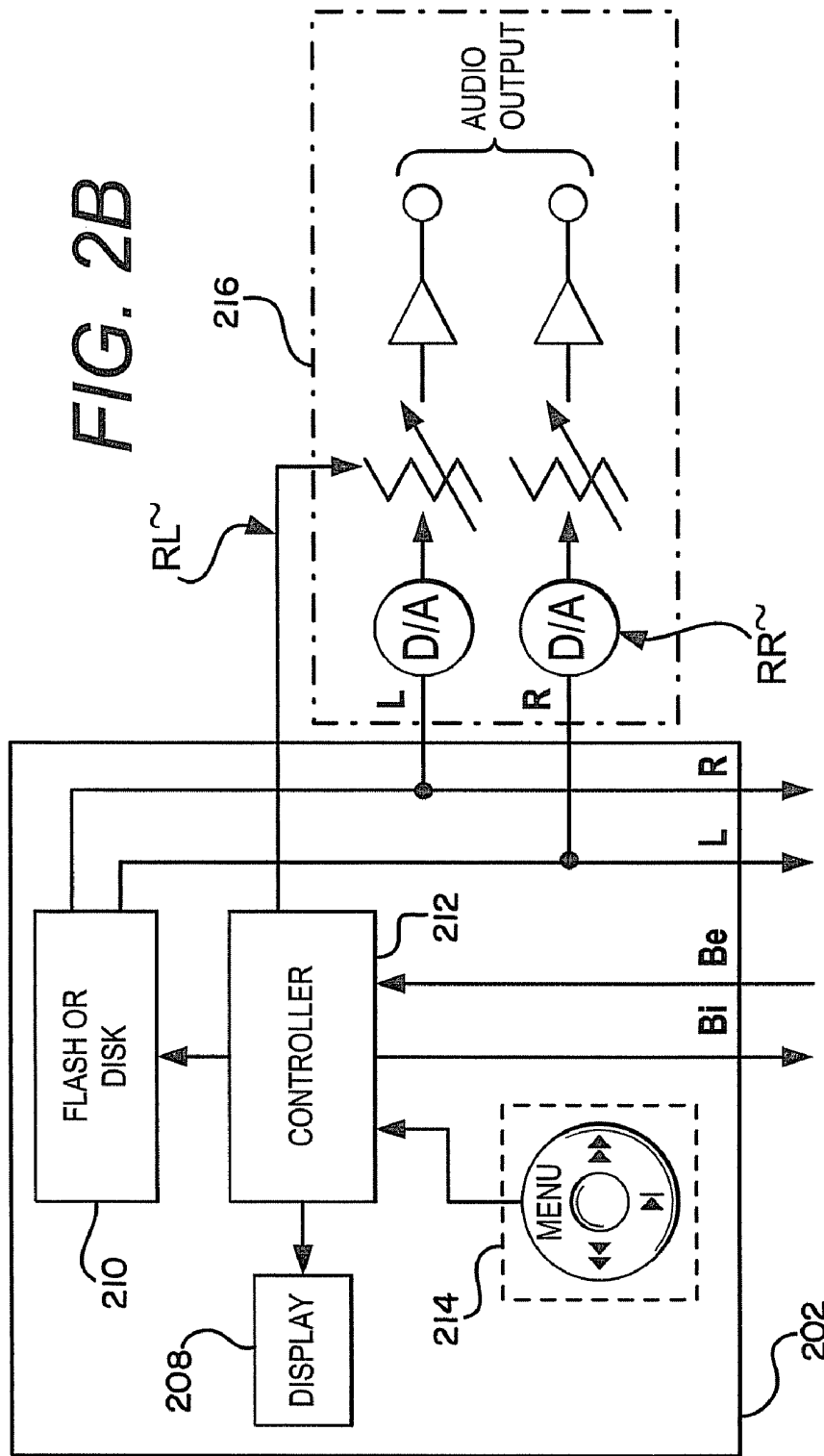


FIG. 2B



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