Exhibit 12

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US007444353B1

(12) **United States Patent**
Chen et al.

(10) **Patent No.: US 7,444,353 B1**
(45) **Date of Patent: Oct. 28, 2008**

(54) **APPARATUS FOR DELIVERING MUSIC AND 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.: **09/567,848**

(22) Filed: **May 9, 2000**

Related U.S. Application Data

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(51) **Int. Cl.**
G06F 17/00 (2006.01)

(52) **U.S. Cl.** **707/104.1**; 707/10

(58) **Field of Classification Search** ..... 707/2, 707/3, 4, 104.1, 10; 84/609, 616, 477 R; 455/567, 3.06, 156.1; 704/243, 246; 380/282, 380/283; 709/219
See application file for complete search history.

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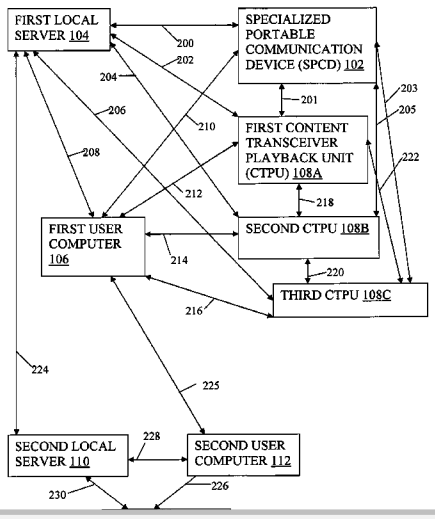
Primary Examiner—Sana Al-Hashemi

(57) **ABSTRACT**

The invention comprises music and information delivery systems and methods. One system comprises a portable communication device configured to receive a piece of music from an audio source and transmit the piece of music via a first communication medium to a host computer. The host computer is configured to receive the piece of music from the portable communication device and search a storage medium to identify and access the piece of music from the storage medium. The host computer is configured to transmit the piece of music via a second communication medium to one or more reception units that are configured to receive the piece of music from the host computer via the second communication medium.

27 Claims, 8 Drawing Sheets



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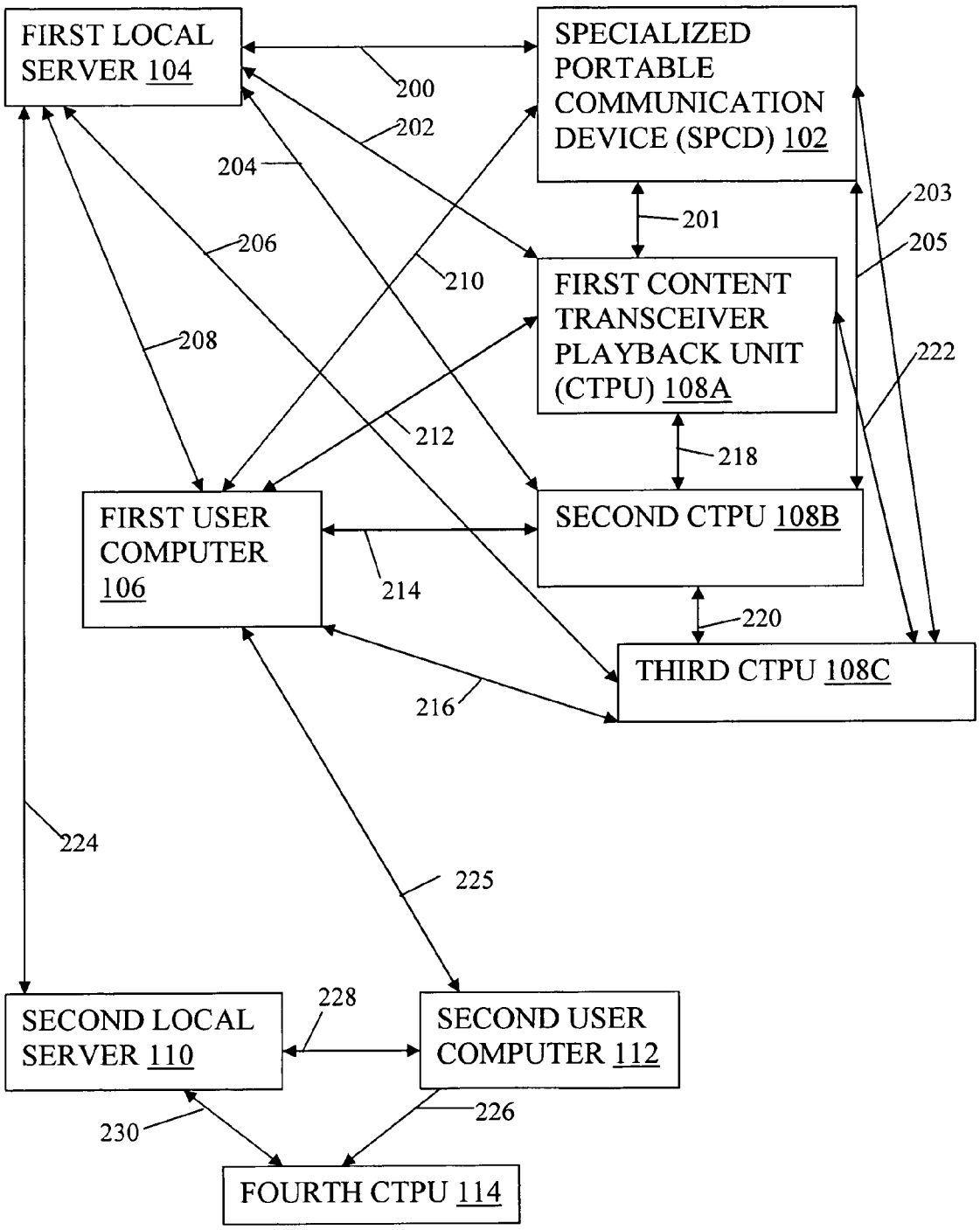

FIG. 1

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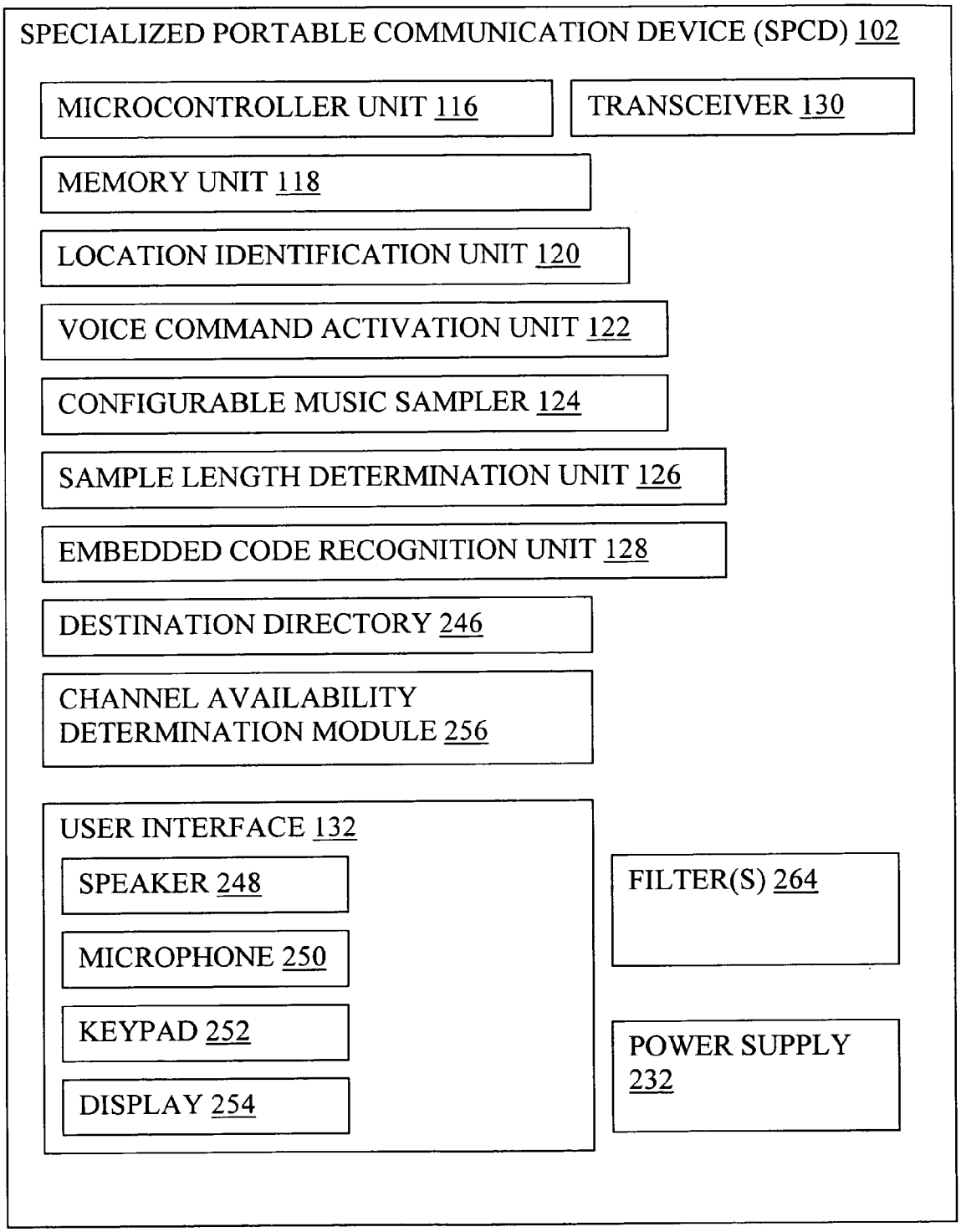

FIG. 2

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