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(12) **United States Patent**
Bayley

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(54) **AUDIO VOLUME CONTROL**

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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 73 days.

(21) Appl. No.: **10/308,577**

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(65) **Prior Publication Data**

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(51) **Int. Cl.**⁷ **H04N 5/60**

(52) **U.S. Cl.** **348/738; 381/104; 725/151**

(58) **Field of Search** 348/738, 726, 348/737, 632; 381/1, 104, 109, 107; 725/151; H04N 5/60

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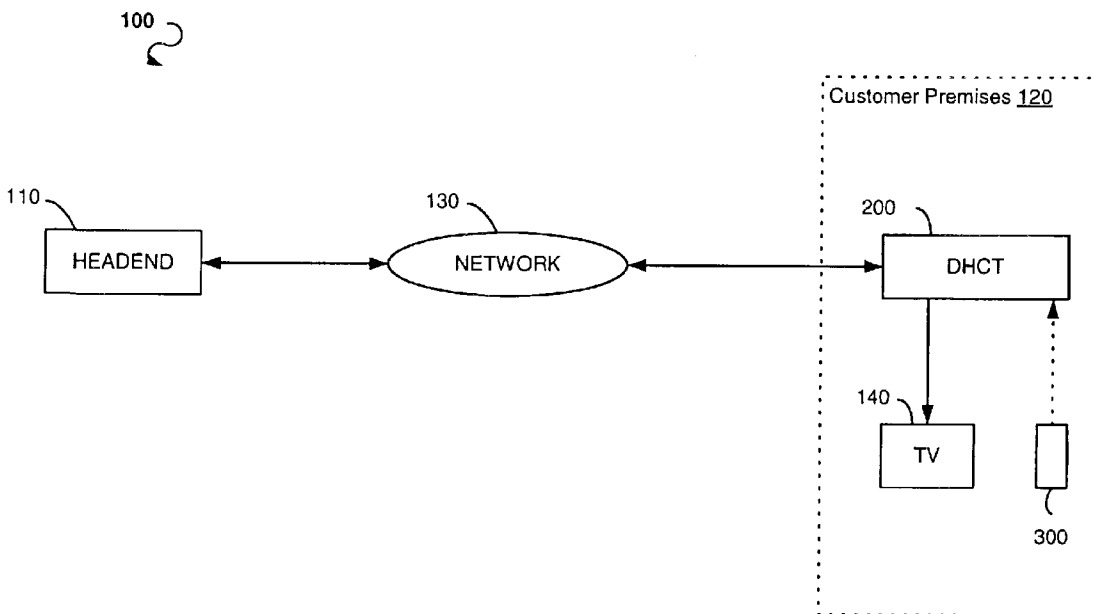
* cited by examiner

Primary Examiner—Michael H. Lee

(57) **ABSTRACT**

Systems and method for controlling audio volume are provided. One method for controlling audio volume includes receiving a user input requesting a first volume-type that is associated with a first audible volume level, and responsive to receiving the user input, modifying an audio signal to achieve the first audible volume level.

21 Claims, 11 Drawing Sheets



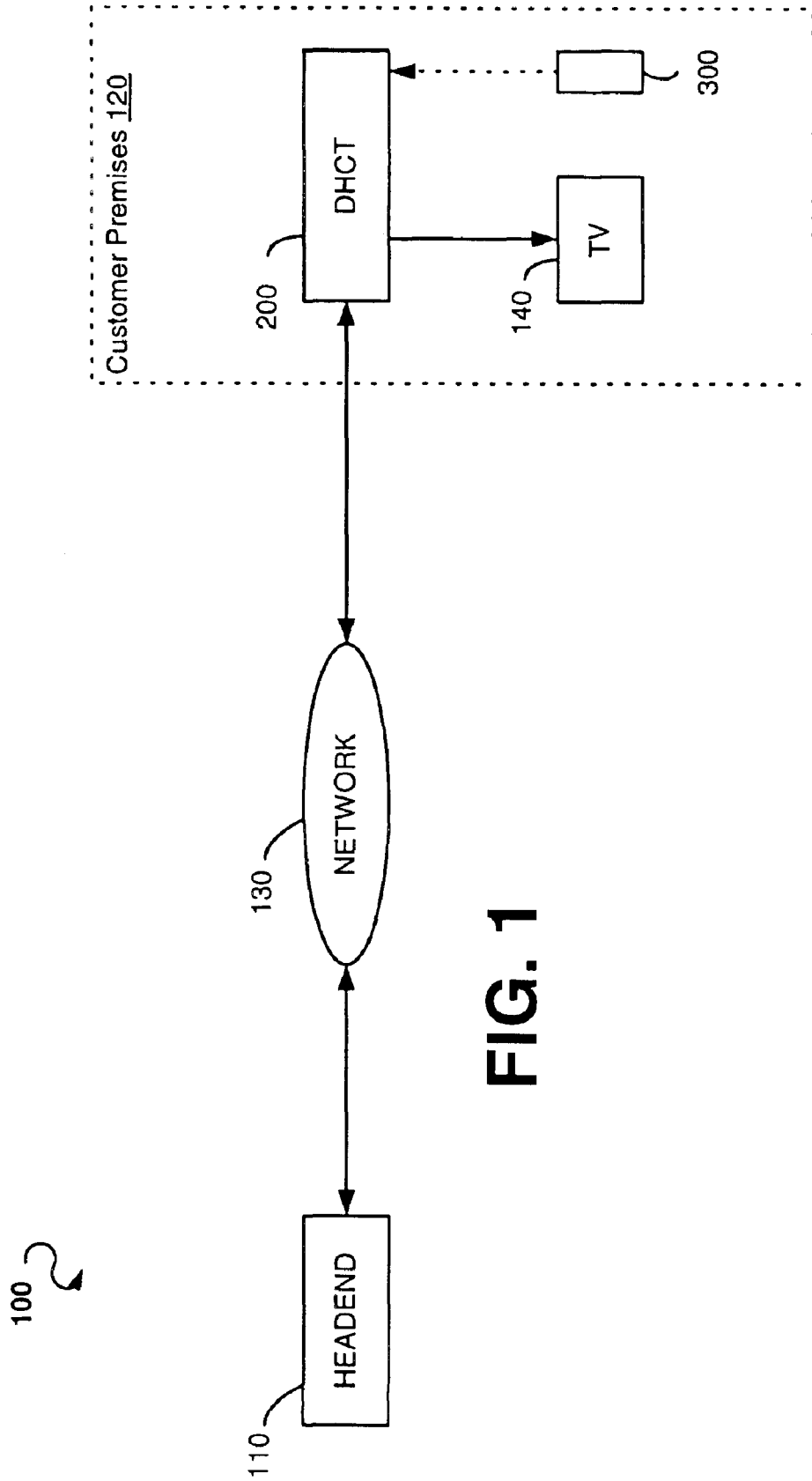


FIG. 1

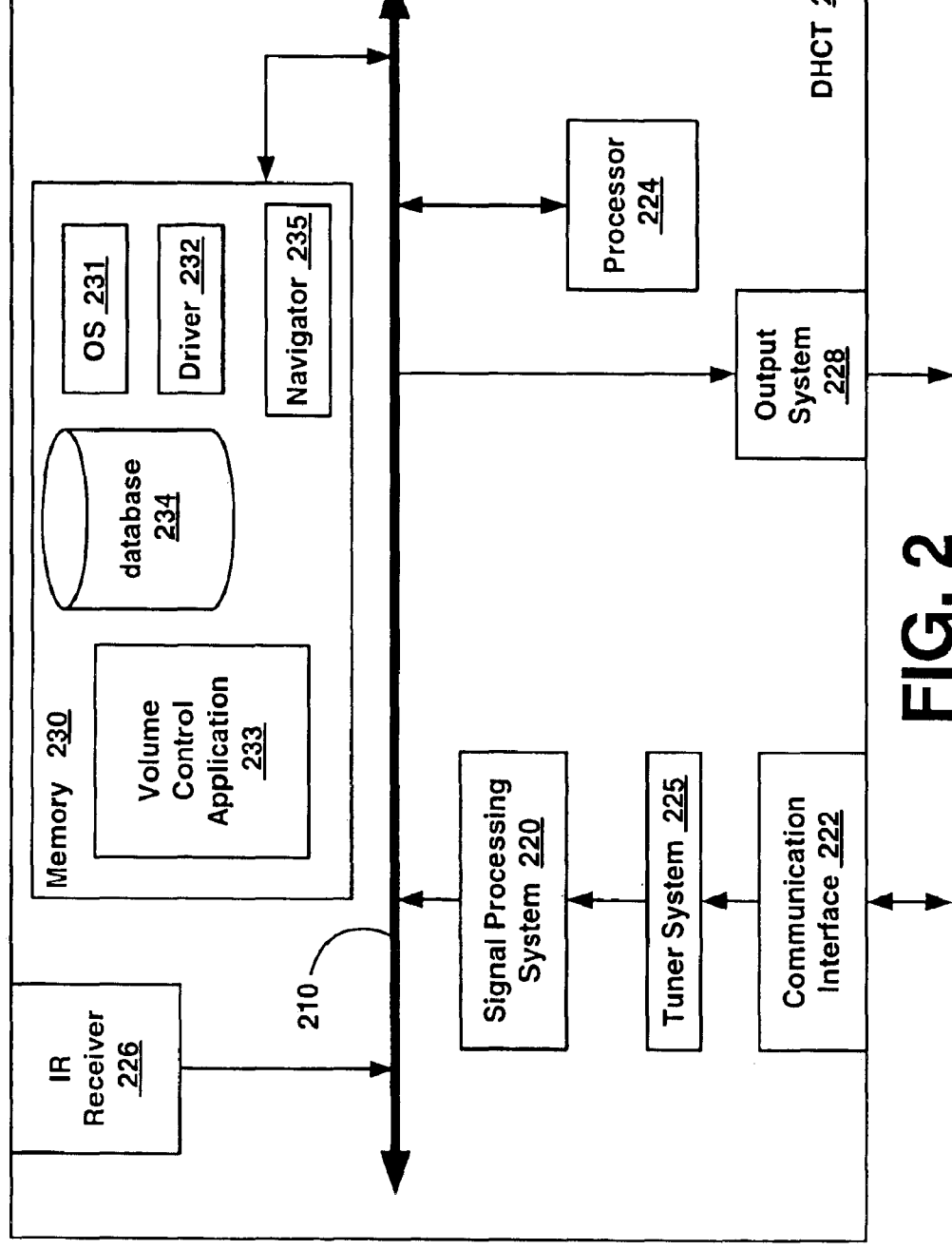


FIG. 2

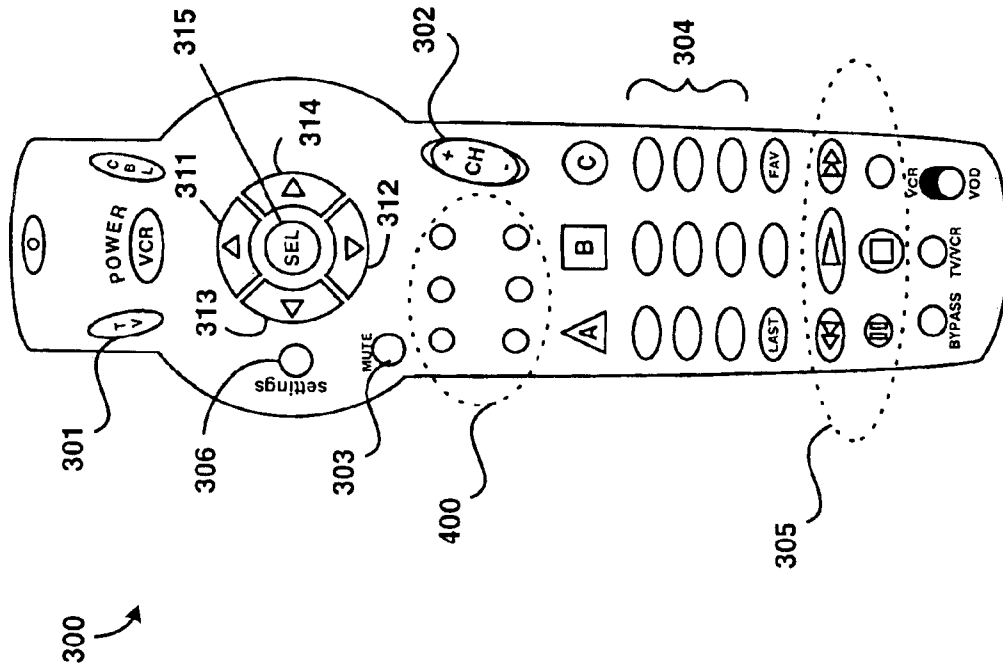


FIG. 3

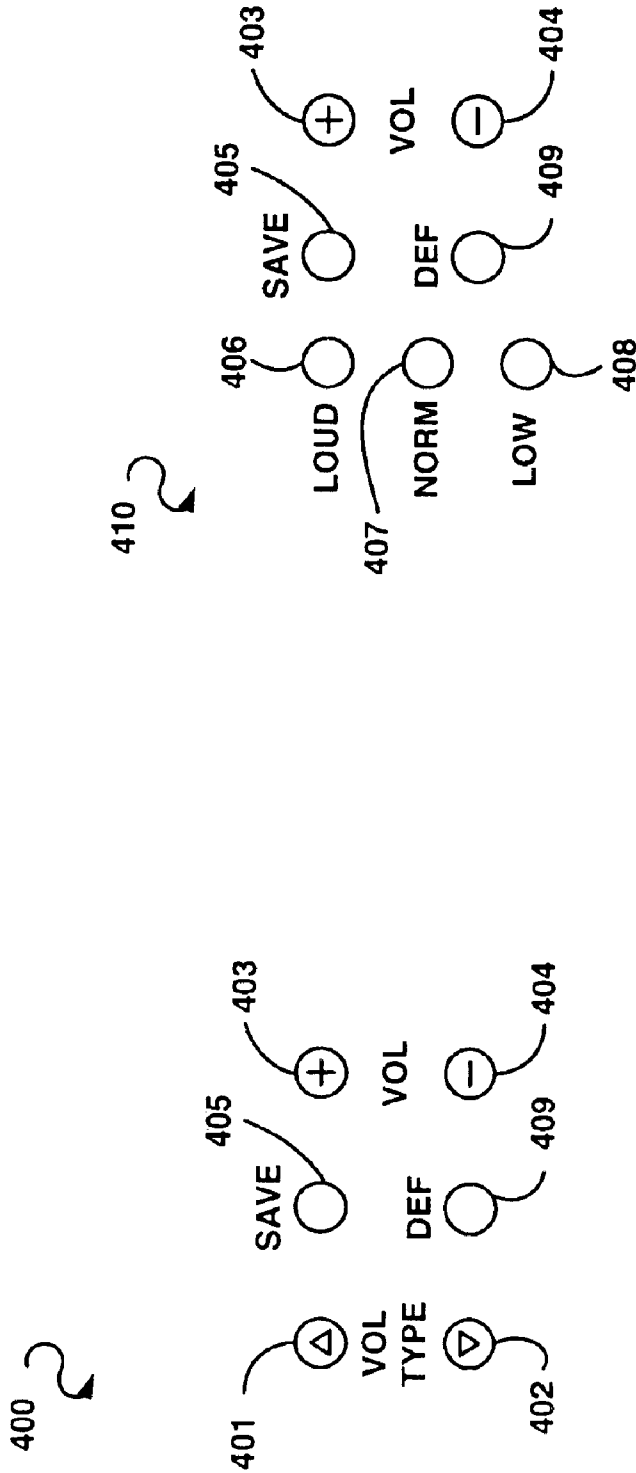


FIG. 4B

FIG. 4A

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