

United States Patent [19]**Lewis**[11] **Patent Number:** **5,612,730**[45] **Date of Patent:** **Mar. 18, 1997**[54] **INTERACTIVE SYSTEM FOR A CLOSED CABLE NETWORK**[75] Inventor: **Scott W. Lewis**, Saratoga, Calif.[73] Assignee: **Multimedia Systems Corporation**, San Jose, Calif.[21] Appl. No.: **400,245**[22] Filed: **Mar. 3, 1995**[51] Int. Cl.⁶ **H04N 7/14**; H04N 7/18; H04N 7/00[52] U.S. Cl. **348/8**; 348/12; 348/13; 455/5.1; 455/6.3

[58] Field of Search 348/6, 8, 12, 13, 348/14, 15, 3, 5; 455/5.1, 6.1, 6.3; H04N 7/14, 7/15, 7/173, 7/16, 7/18

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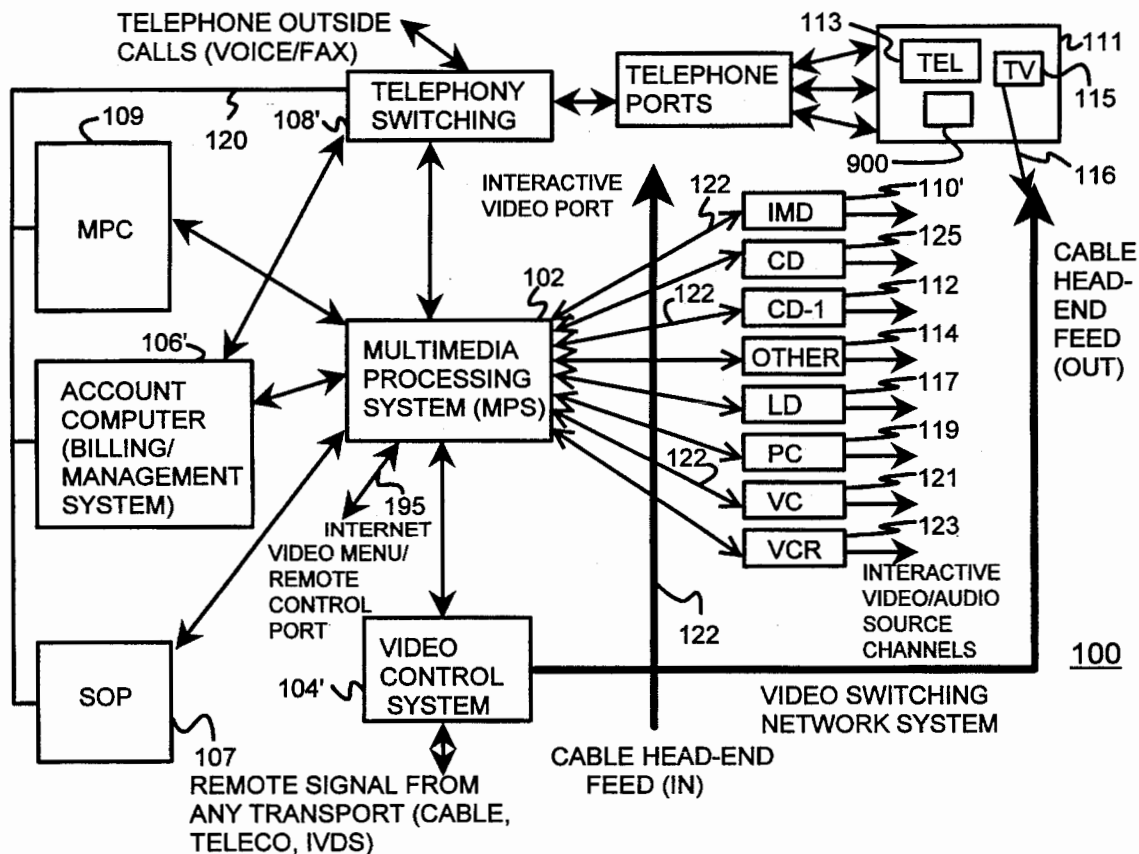
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Primary Examiner—John K. Peng*Assistant Examiner*—John W. Miller*Attorney, Agent, or Firm*—Benman Collins & Sawyer[57] **ABSTRACT**

A system is provided that enhances the interactivity of multimedia information in a closed cable network such as a hotel system or the like. The system includes a multimedia processing system, a telephone switching system, a video control system, a service operations platform, and a plurality of interactive devices. This system has the advantage of providing compression and/or transmission algorithms to maximize enhancement of the multimedia information. The system allows for enhanced interactivity within a closed cable system with minimum modification to the existing network.

14 Claims, 27 Drawing Sheets

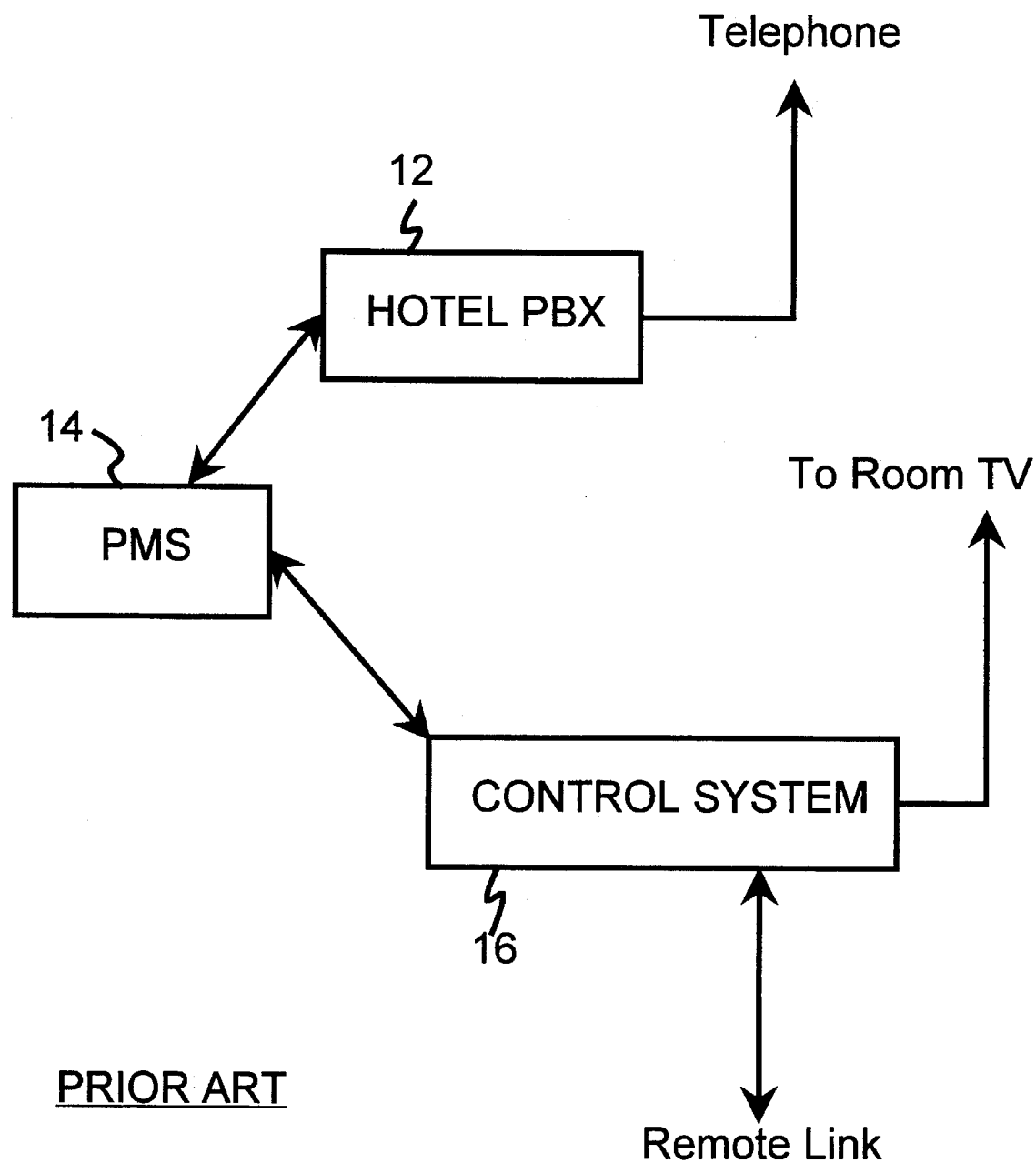


FIGURE 1

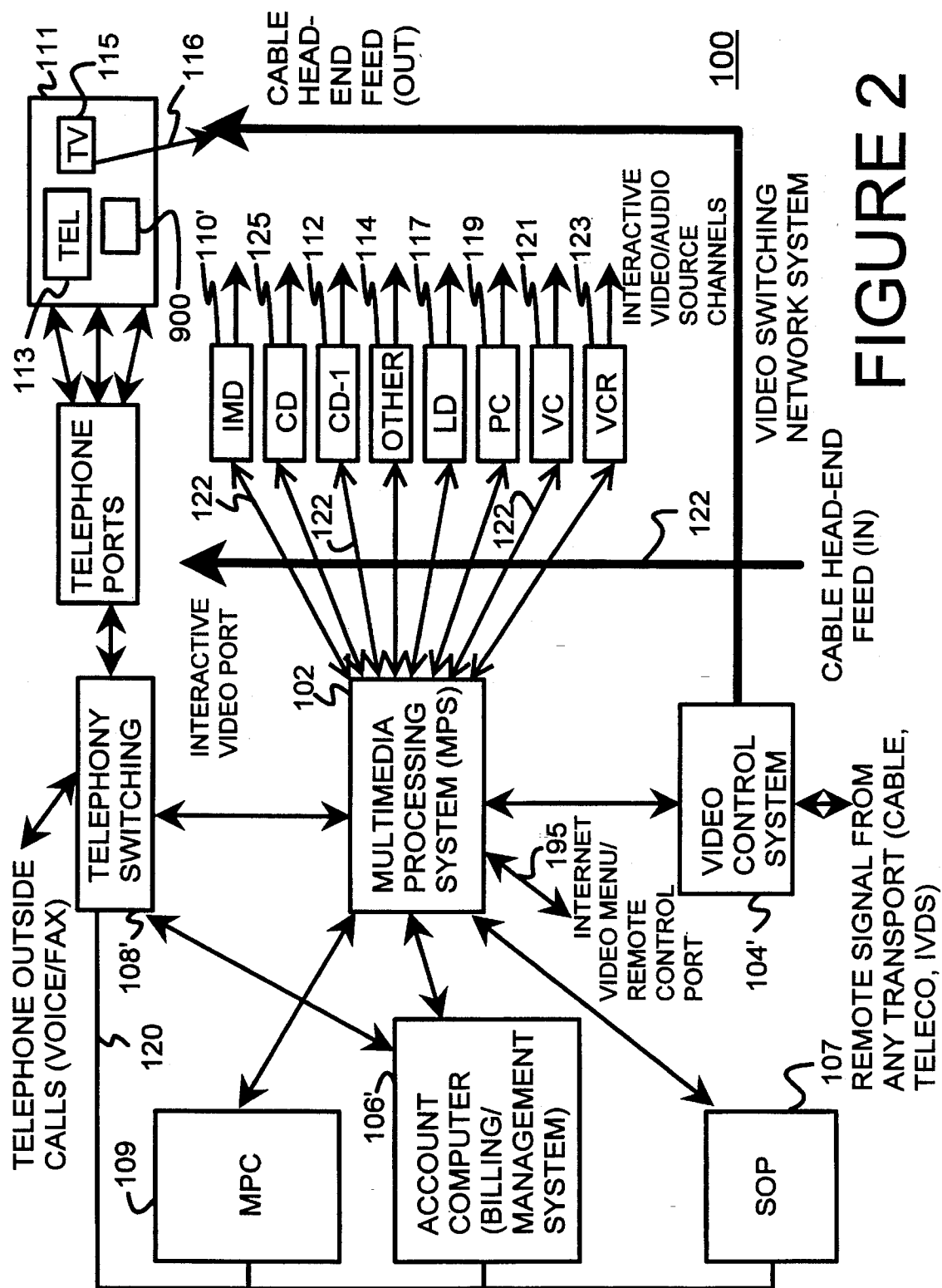


FIGURE 2

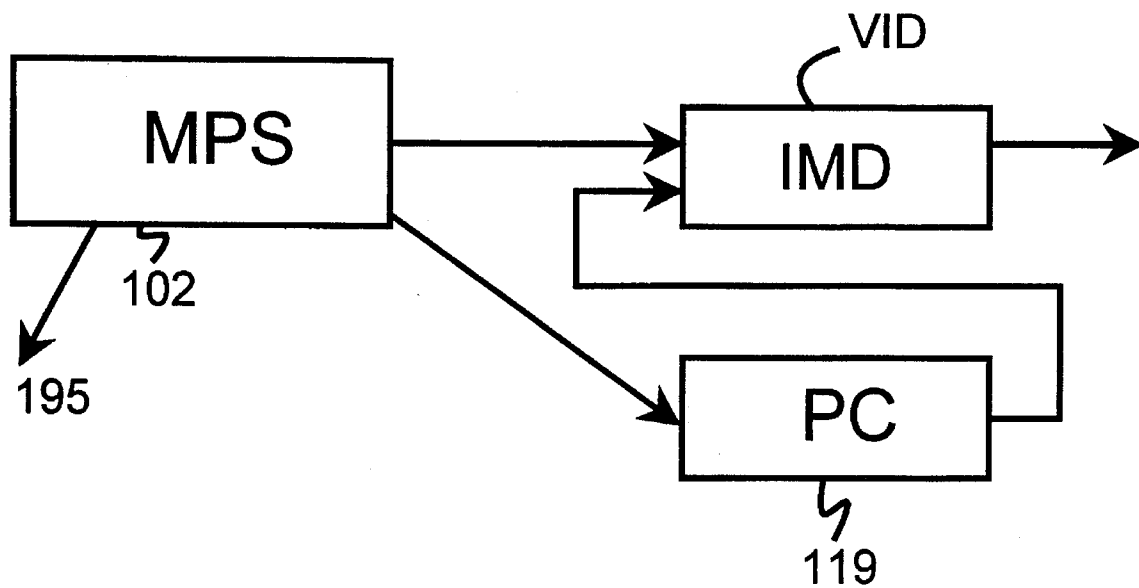
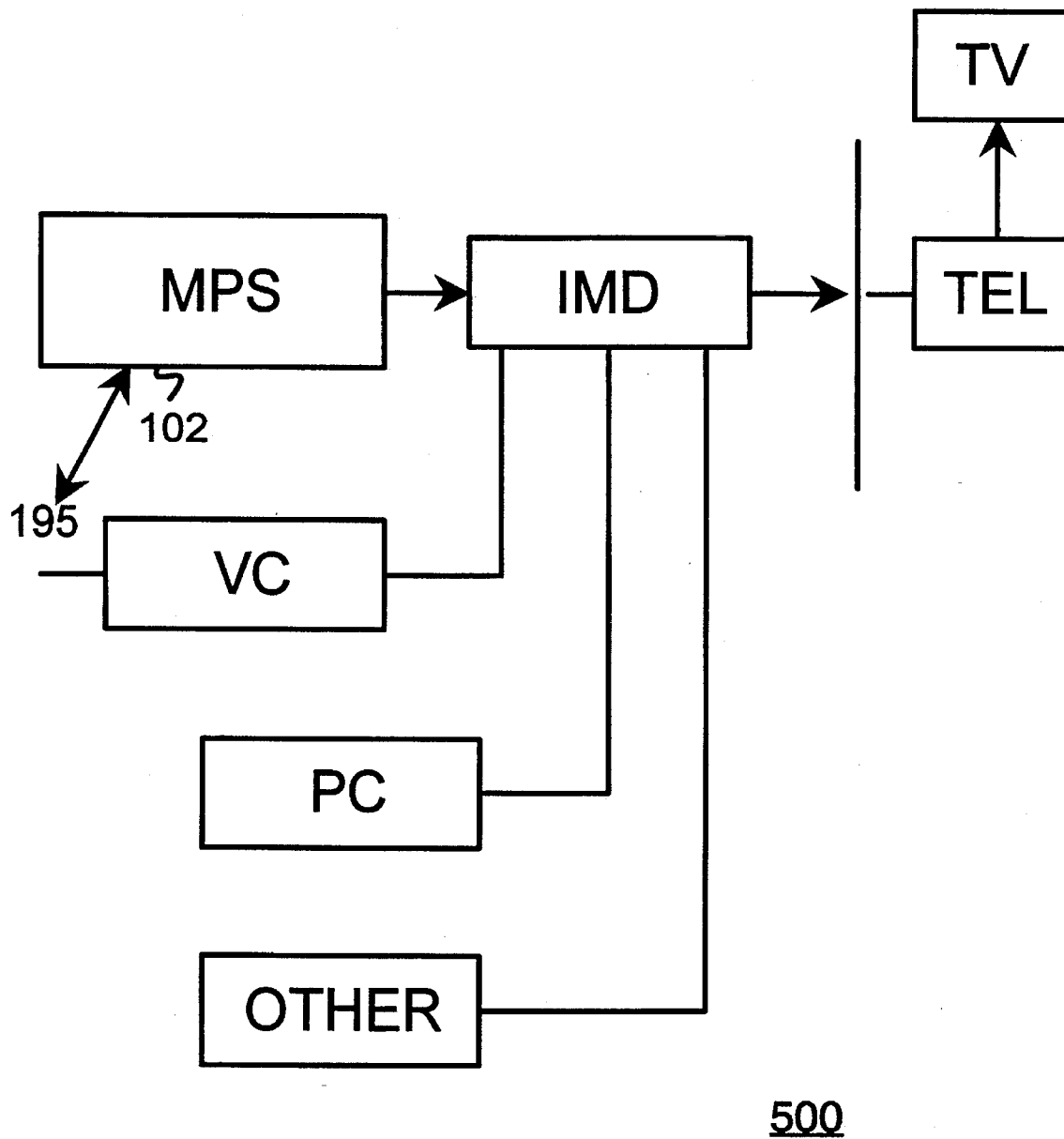


FIGURE 2A

**FIGURE 2B**

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