

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

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(54) **METHOD FOR ENHANCING VIDEO COMPRESSION THROUGH AUTOMATIC DATA ANALYSIS AND PROFILE SELECTION**

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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.

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**Related U.S. Application Data**

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(51) **Int. Cl.<sup>7</sup>** ..... **G06F 17/30**

(52) **U.S. Cl.** ..... **707/101**

(58) **Field of Search** ..... 707/3, 101, 104.1, 707/500, 500.1; 370/465; 375/240; 345/502, 723; 709/200, 217, 231

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*Primary Examiner*—Diane D. Mizrahi

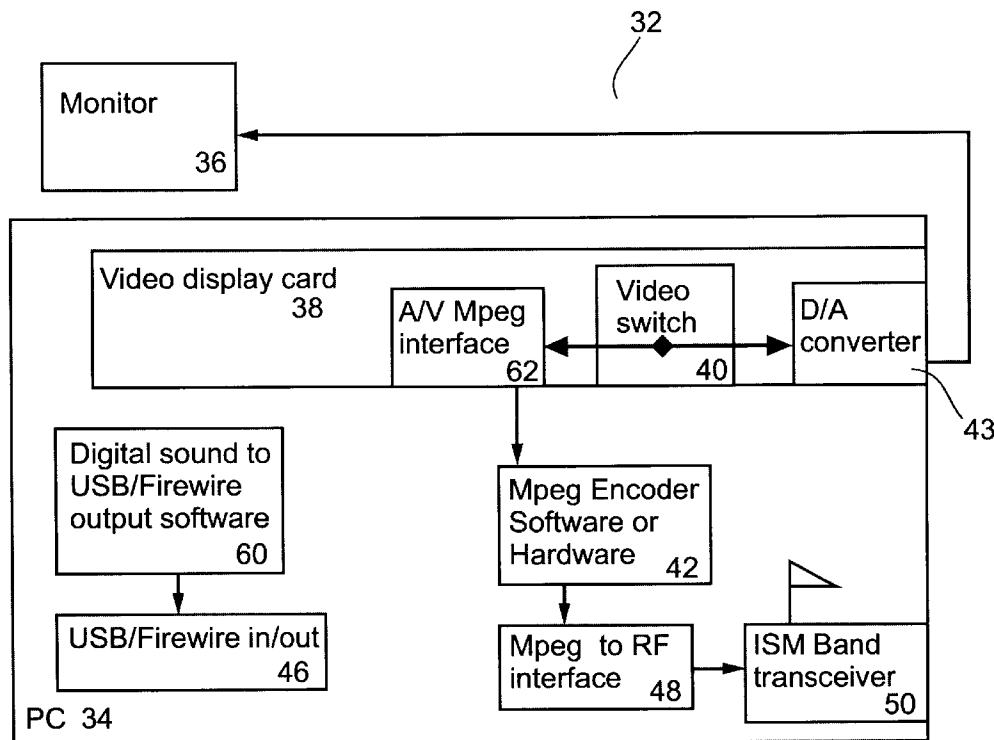
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(57) **ABSTRACT**

A system and method for rapid video data compression and transmission for a wireless remote monitor. The compression method is adjusted according to the type of software application which generated the video data, and according to the characteristics of the data itself. Preferably, the type and profile of video data compression is selected by a profile manager, which detects the characteristics of the video data to determine the character of the data, and then which selects the video data compression method and profile according to the video data character. The compression method and system may be used with a device for remotely displaying information from a monitor of a main computer and for remotely and fully controlling the main computer.

**26 Claims, 5 Drawing Sheets**



Internal implementation

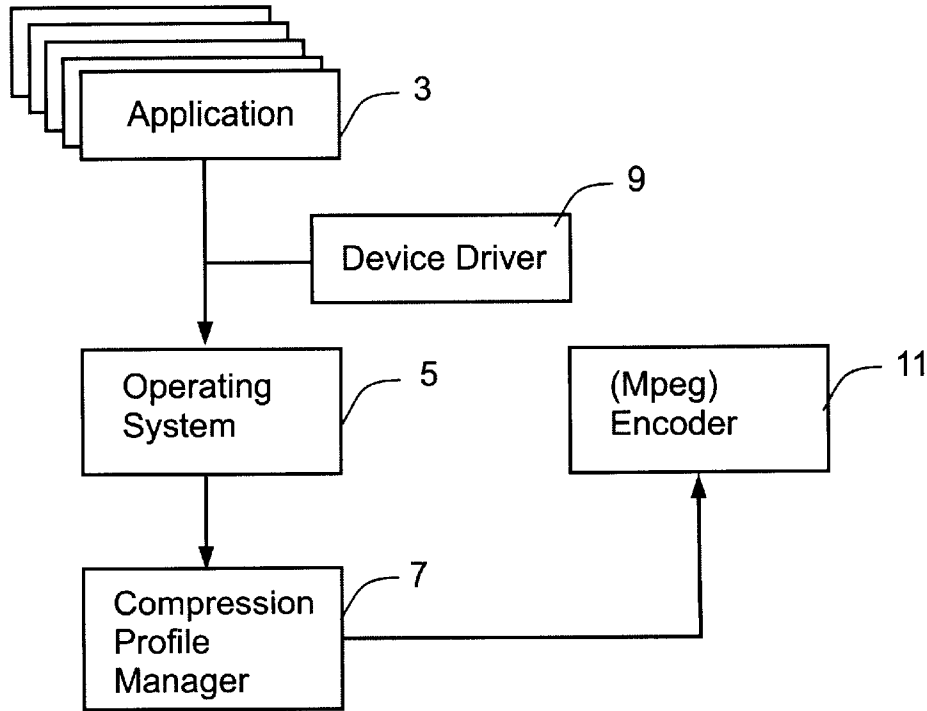


Fig. 1a

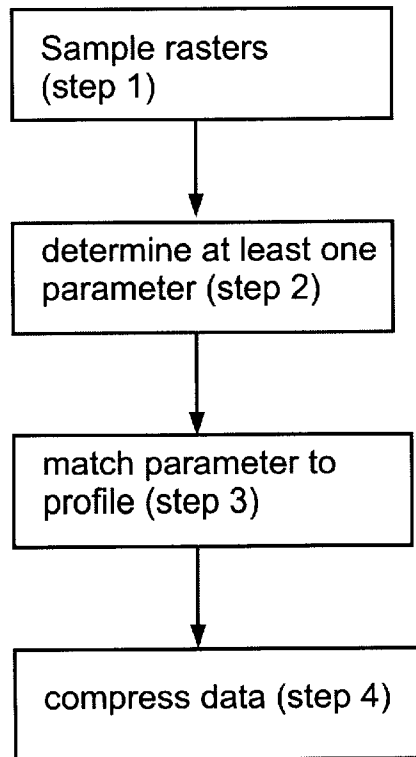


Fig. 1b

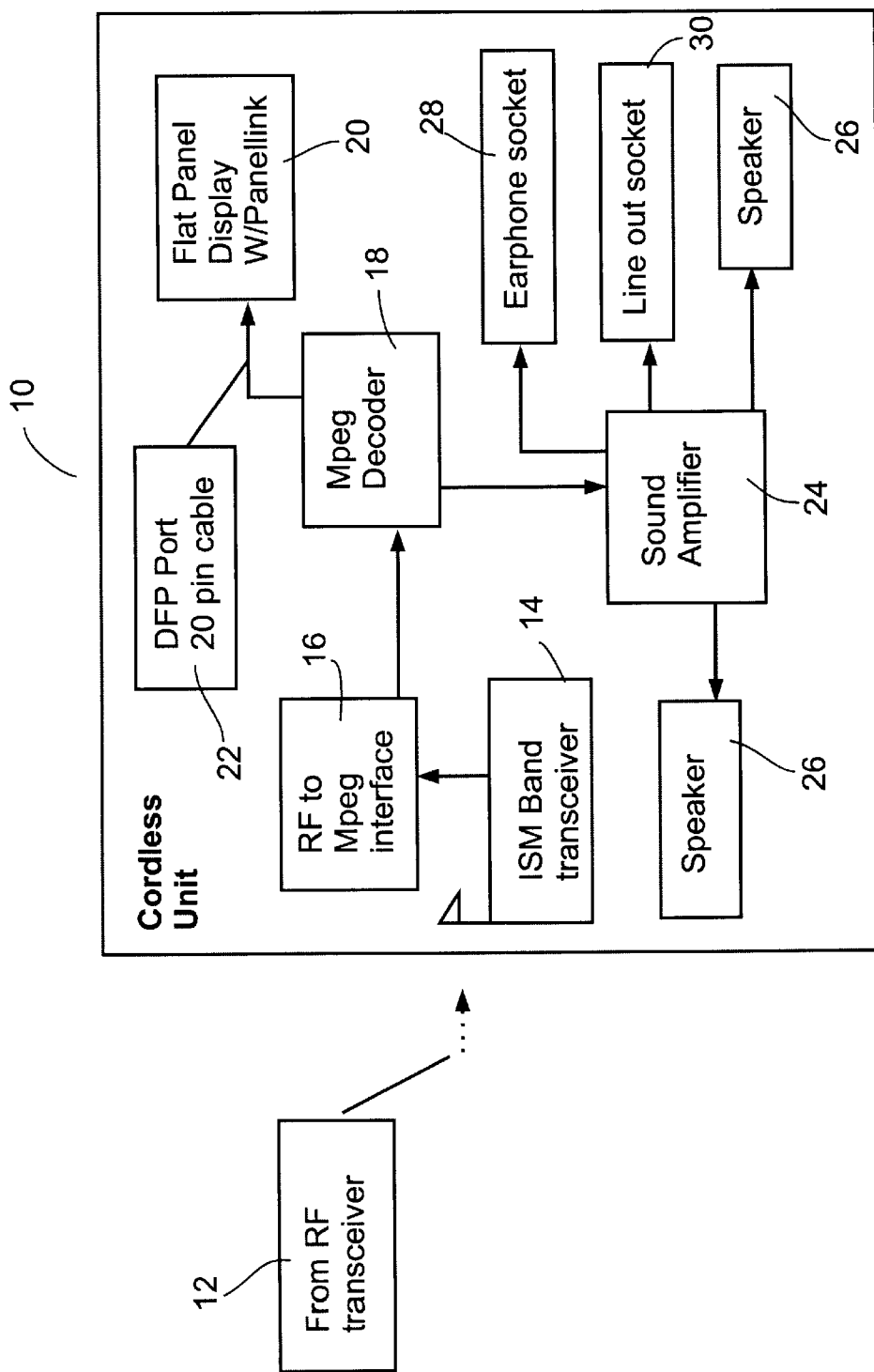


Fig. 2

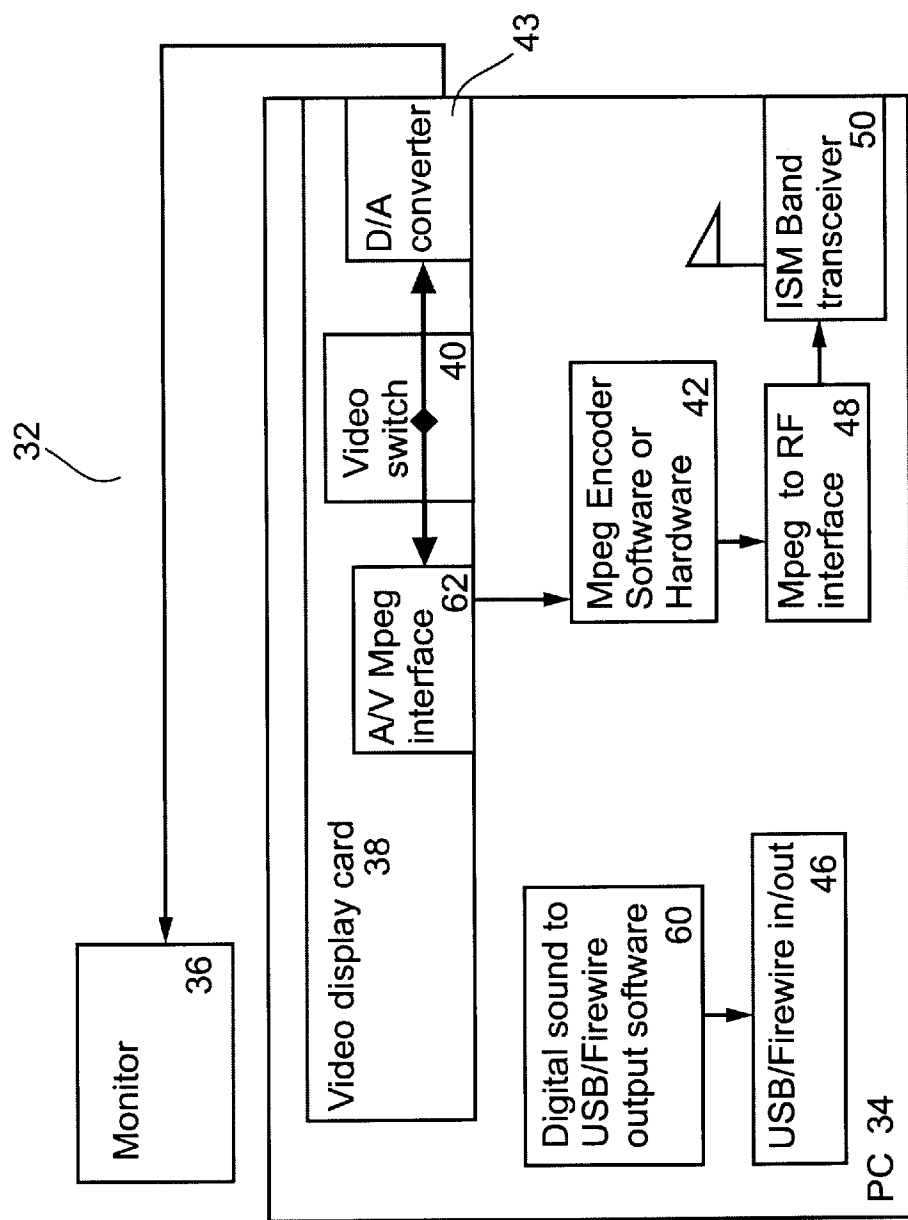


Fig. 3a  
Internal implementation

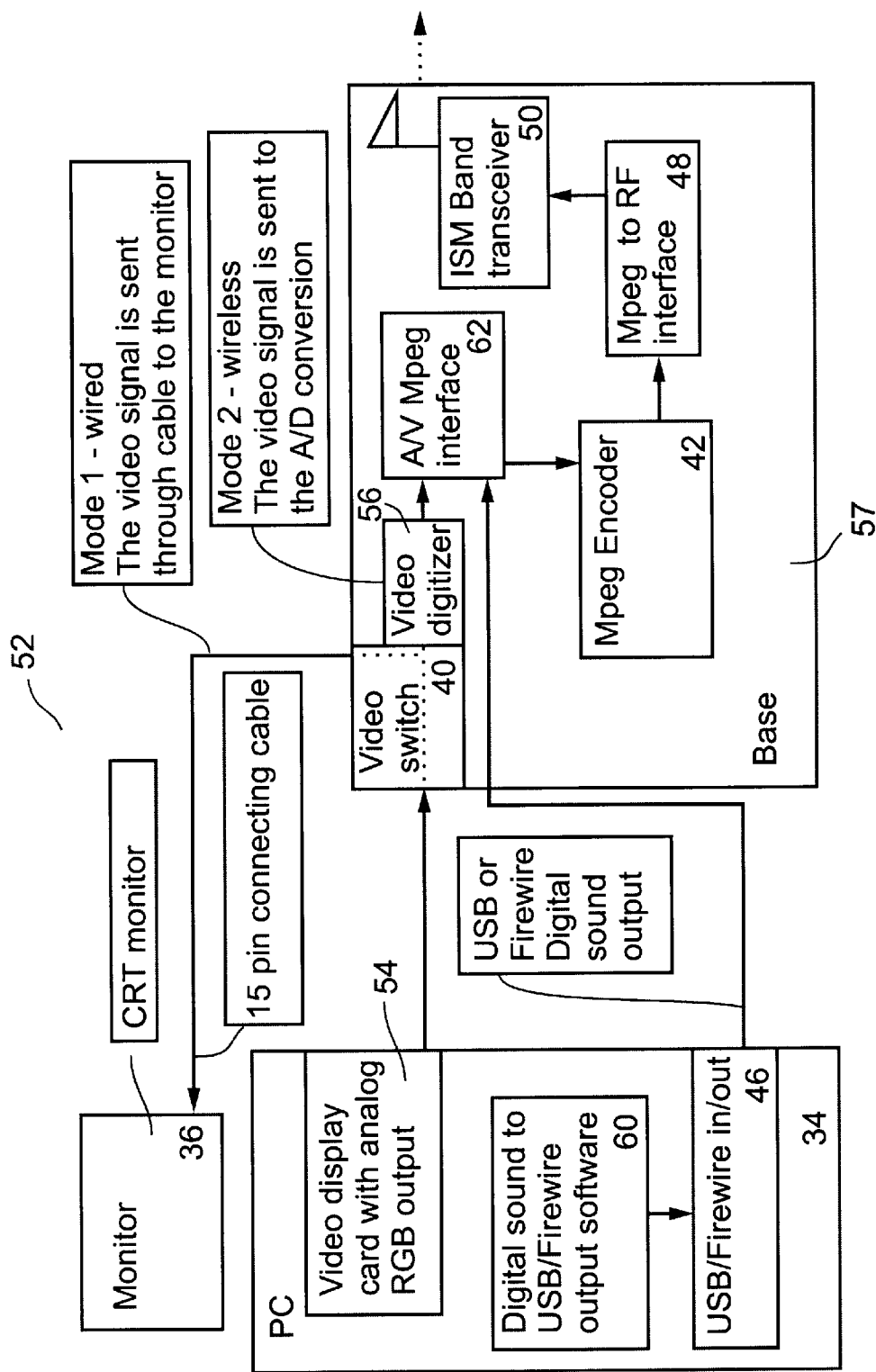


Fig. 3b  
External Analog RGB implementation

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