

EXHIBIT 1



US006856760B2

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

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(54) **RECORDING MEDIUM**

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(73) Assignee: **Hitachi, Ltd.**, Tokyo (JP)

(*) 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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This patent is subject to a terminal disclaimer.

(21) Appl. No.: **10/191,504**

(22) Filed: **Jul. 10, 2002**

(65) **Prior Publication Data**

US 2002/0181945 A1 Dec. 5, 2002

Related U.S. Application Data

(63) Continuation of application No. 09/446,338, filed on Dec. 20, 1999, now Pat. No. 6,424,795.

(30) **Foreign Application Priority Data**

Jul. 5, 1999 (JP) P11-189868

(51) **Int. Cl.**⁷ **H04N 5/91; H04N 5/225**

(52) **U.S. Cl.** **386/120; 386/117; 348/220; 348/232**

(58) **Field of Search** 386/120, 117, 386/112, 121, 124, 125; 348/220.1, 231.99, 333.05

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(57) **ABSTRACT**

A recording medium which records thereon moving pictures encoded by a first encoding method, first pictures corresponding to the moving pictures and which have pixels smaller than the moving pictures, still pictures encoded by a second encoding method, and second pictures corresponding to the still pictures and which have pixels smaller than the still pictures.

15 Claims, 3 Drawing Sheets

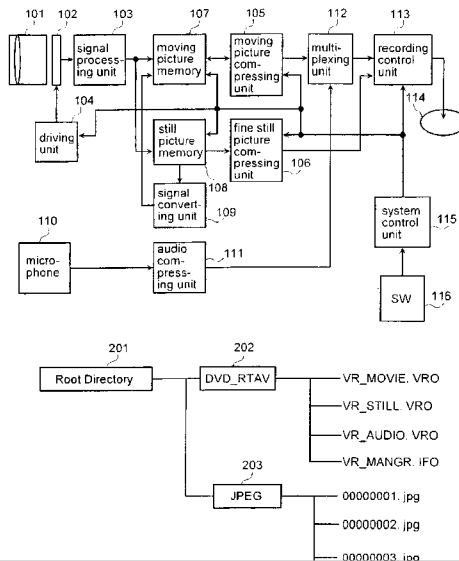


FIG. 1

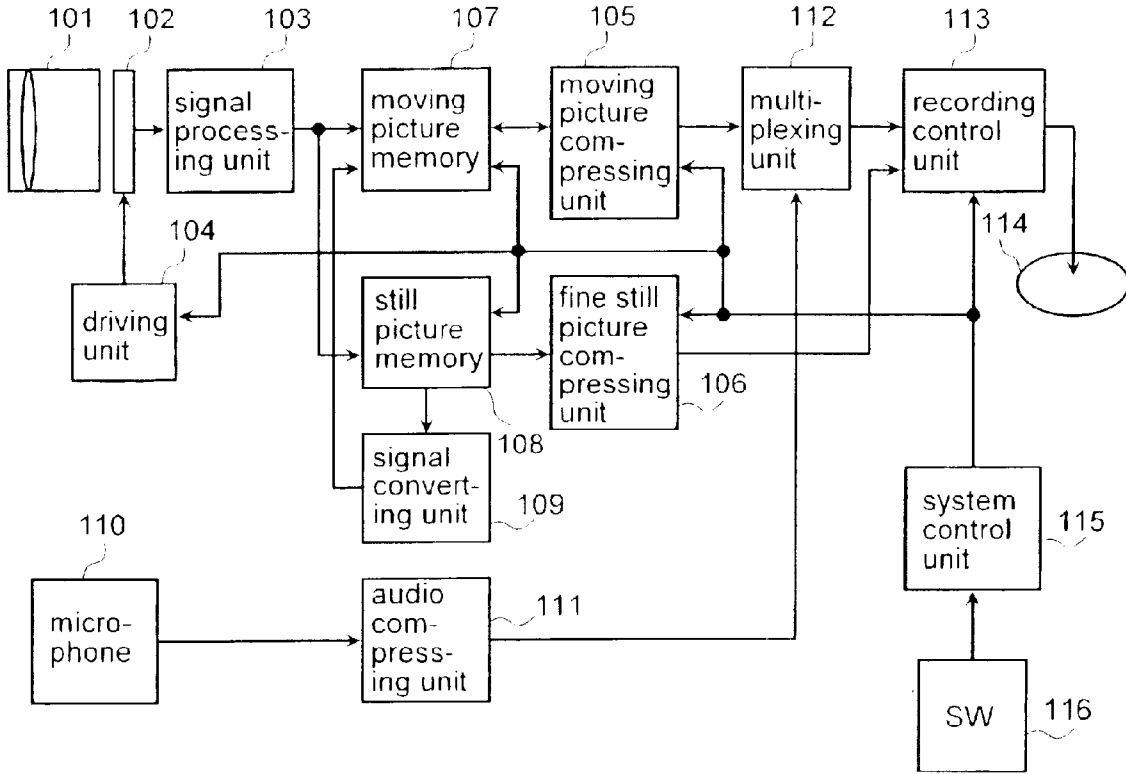


FIG. 2

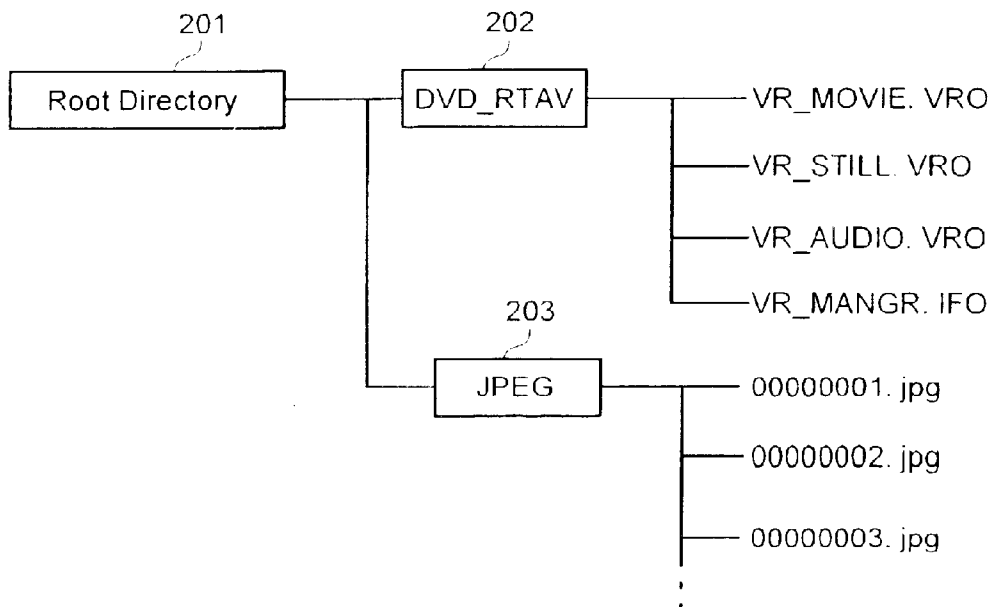


FIG.3

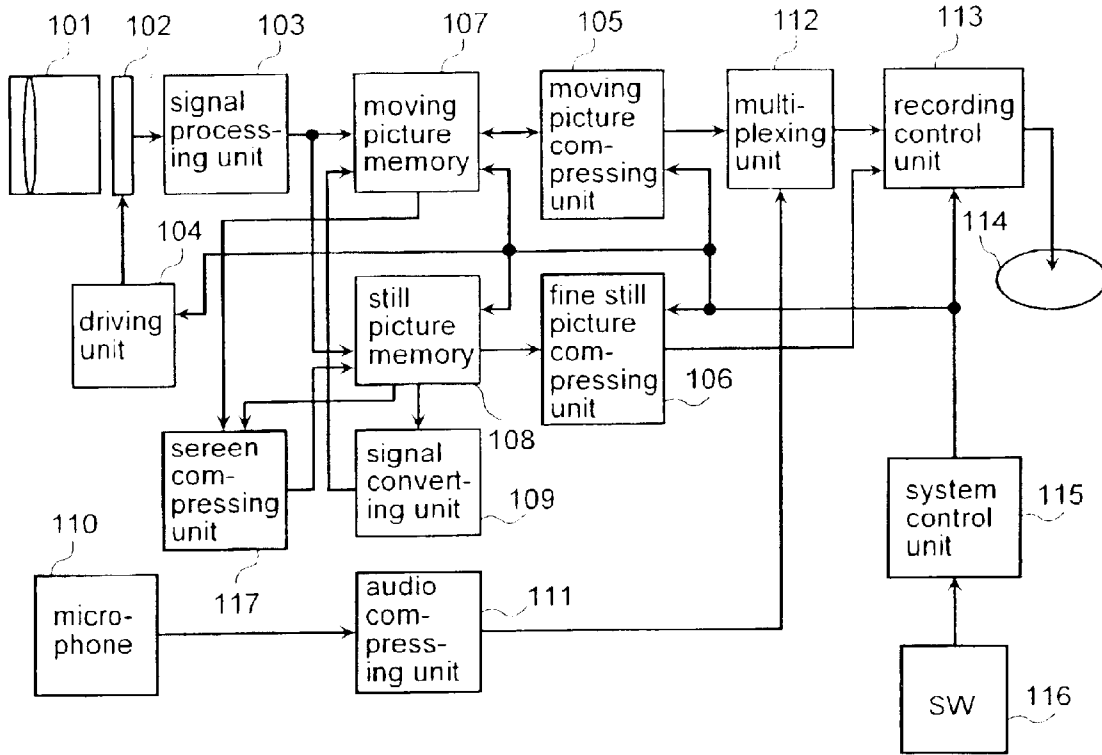


FIG.4

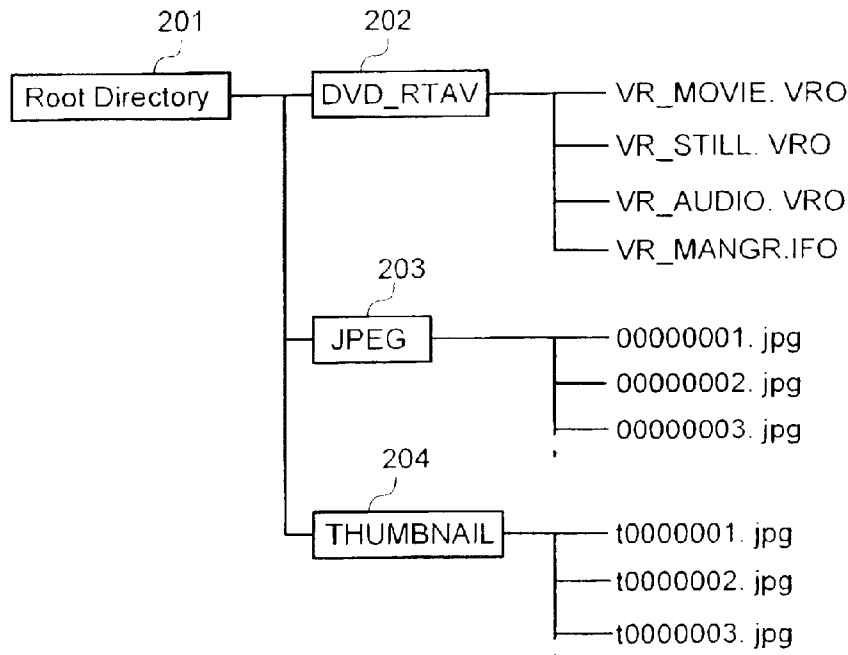


FIG. 5

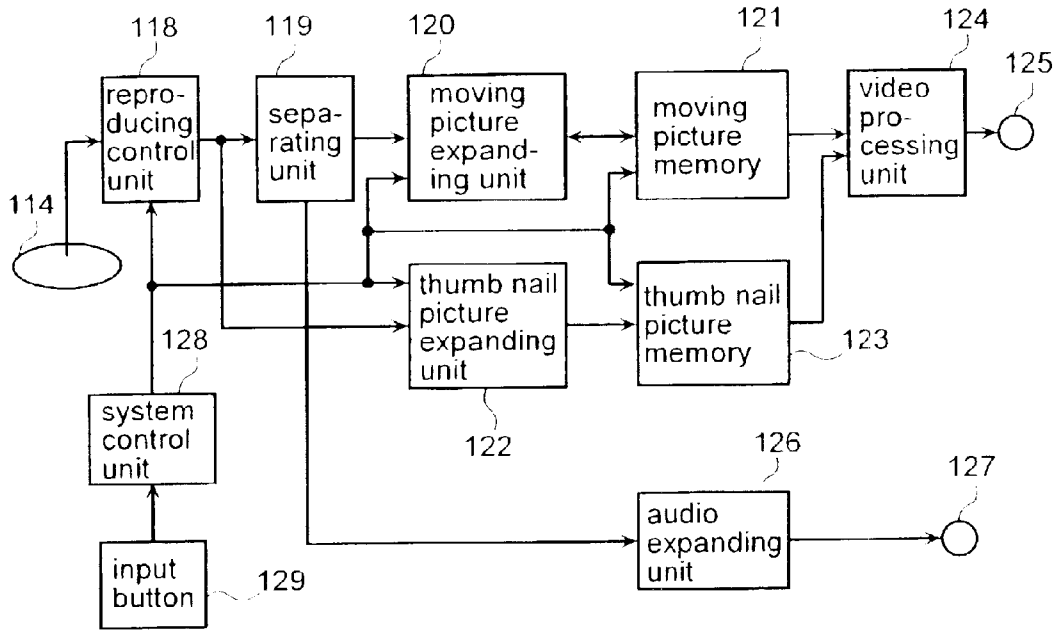
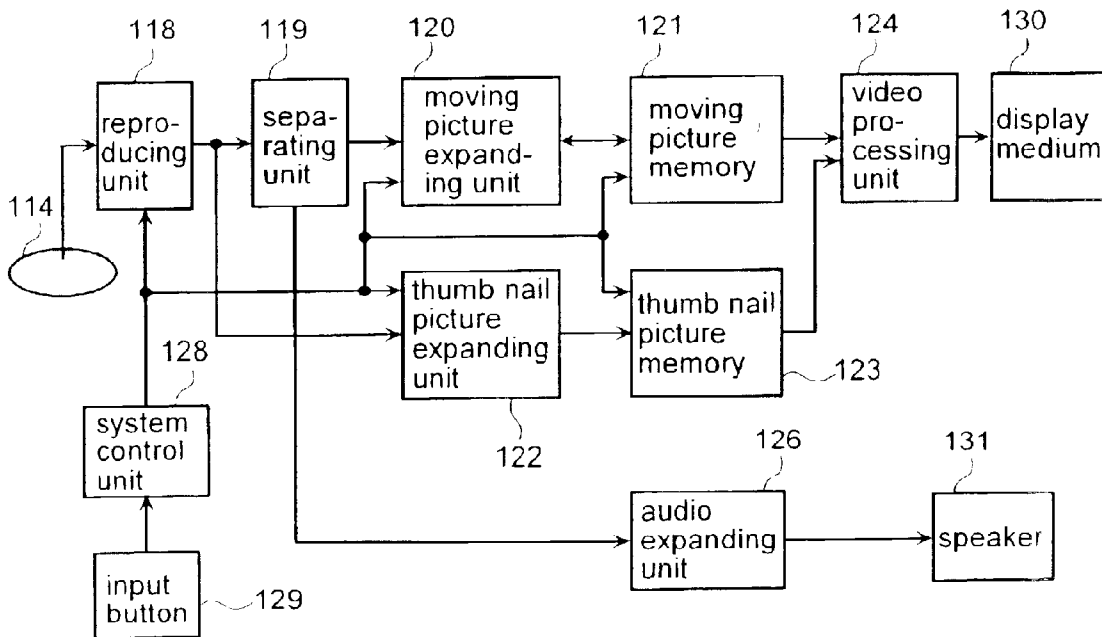


FIG. 6



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