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ABSTRACT OF THE DISCLOSURE

In a digital signal recording and playback device, the transmission rate of input transport packets is identified. A recording mode is set on the basis of the identified transmission rate. Intra-frame or -field coded digital video signal is extracted from the transport packets, and the intra-frame or -field coded digital video signal having been extracted is reconstructed to generate special playback data. Recording format is generated such that the input transport packets and special playback data will be recorded at predefined positions on a track on a recording medium. At this time, the number of repetitions of the special playback data to be recorded on the recording medium or the recording format is varied depending on the recording mode. Because of the improvement in the recording rate of the fast playback data, the playback picture quality during fast playback can be improved.

Selected Drawing: Fig. 1

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