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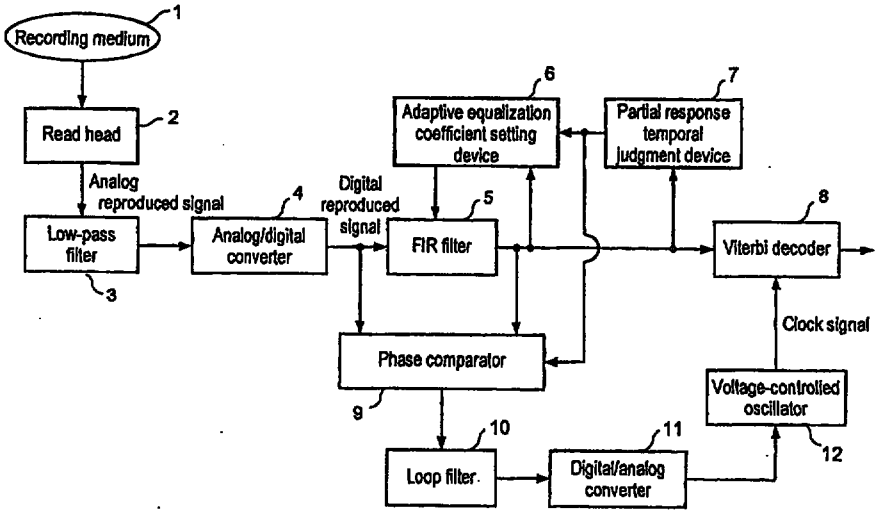
(71) Applicant *(for all designated States except US)*: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: MARUKAWA, Shoji [JP/JP]; 1122-11, Iioka, Saijo-shi, Ehime 793-0010 (JP).

(74) Agents: IWAHASHI, Fumio et al.; Matsushita Electric Industrial Co., Ltd., 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).

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(54) Title: APPARATUS FOR PROCESSING A REPRODUCED DIGITAL SIGNAL



(57) Abstract

A digital reproduced signal processing apparatus for reading out a signal from a recording medium of a digital recording apparatus of high-frequency cutoff type is provided which comprises: a read head (2) for reading out the recorded signal from the recording medium (1); a low-pass filter (3) for removing high frequency noise from the output signal of the read head (2); an analog/digital converter (4) for converting the analog reproduced signal filtered by the low-pass filter (3) to a digital reproduced signal; an FIR filter (5) for filtering the digital reproduced signal with the use of an adaptive equalization coefficient so that the frequency response of the signal is equalized with the partial response which has a frequency characteristic suited for reading the reproduced signal; an adaptive equalization coefficient setting device (6) and a partial response temporal judgment device (7) for determining the adaptive equalization coefficient; and a Viterbi decoder (8) for decoding a partial response equalized data released from the FIR filter (5) to a data for judgment. Accordingly, the digital reproduced signal processing apparatus will be simple in the circuitry arrangement and improved in the reading performance.