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 2; 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.