REPRODUCING RATE CONTROL APPARATUS FOR OPTICAL DISK

ABSTRACT

A reproducing rate control apparatus for an optical disk (21) includes a synchronizing clock generating unit (33) which generates a synchronizing clock pulse with a phase locked to a phase of a digital reproduction signal. A signal processing unit generates a demodulated data signal from the digital reproduction signal in accordance with the synchronizing clock pulse, wherein the demodulated data signal is written to a memory in accordance with the synchronizing clock pulse, the demodulated data signal is read from the memory in accordance with a read reference clock pulse, and the read demodulated data signal is processed through an error correction (54) so that a processed demodulated data signal is output. A frequency detecting unit (61) detects whether the frequency of the synchronizing clock pulse is within a predetermined range of frequencies centered at a standard frequency.

Fig. 2.