

Disk Drive Device and Recording Power Setting Method

ABSTRACT OF THE DISCLOSURE

To realize a disk drive device capable of setting optimum recording power by obtaining amplitude information of a reproduced signal even when low recording power is used. A disk drive device for recording and reproducing data on/from an optical disk is provided with: a Viterbi decoding means for performing Viterbi decoding on a reproduced signal reproduced from an optical disk to decode data and creating status data representing a status transition in the Viterbi decoding; and a quality index creation means for calculating a differential value between an amplitude reference value corresponding to the status transition recognized from the status data and a reproduced signal value created by digitizing the reproduced signal and creating a quality index value representing quality of the reproduced signal based on the differential value. The quality index creation means obtains a quality index value with the amplitude reference value fixed to a prescribed value, to create an amplitude evaluation value representing the amplitude of the reproduced signal.

FIG. 1