

DISK DRIVE APPARATUS

ABSTRACT

To provide a disk drive apparatus which is capable of reducing a great number of control signals, reducing fabrication cost, and facilitating a measure to counter noise.

An HDD (100) is equipped with an HDC/MPU (101) for controlling an operation of reading or writing data from or to a magnetic head, a preamplifier (102) for amplifying the data from the magnetic head, and a channel module (202) controlled by the HDC/MPU (101). The channel module (202) converts a digital data signal to a data write signal and also converts an analog signal from the preamplifier (102) to a digital signal. A signal line for controlling the channel module (202) is replaced with control information, and the control information is transmitted through an NRZ bus which transmits or receive a data read/write signal. The channel module (202) performs control, based on the transmitted control information.

Fig. 1