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ABSTRACT OF THE DISCLOSURE (FIG. 1)

5 "DATA CHANNEL FOR PROCESSING USER DATA AND
SERVO DATA IN A DISK DRIVE ADOPTING
PERPENDICULAR MAGNETIC RECORDING SYSTEM"

Provided in a disk drive of a perpendicular
magnetic recording system is a data channel to execute
signal processing suited to the characteristics of
either servo data signals or user data signals read
10 from a disk. This data channel decodes data by
executing PRML signal processing of positive
coefficient PR equalization for data signals of
vertical rectangular waveform in the read signals read
by a read head from the disk. The data channel
15 converts servo signals of vertical rectangular
waveform into differentiated waveform signals, and
reproduces servo data from the differentiated waveform
signals.



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