

TRACK MIS-REGISTRATION MEASUREMENT FOR A DISC DRIVE

Abstract of the Disclosure

5 An apparatus and method of predicting functional capability of a data
storage device having a plurality of information tracks, comprising performing a
DC erase on three adjacent information tracks, writing a predetermined bit pattern
on a middle track of the three adjacent information tracks, providing a first signal
10 from the bit pattern to a variable gain amplifier to generate a first value of the
variable gain amplifier, performing DC erases on the information tracks adjacent
the middle track, reading the bit pattern from the middle track to provide a second
signal to the variable gain amplifier to generate a second value of the variable gain
amplifier, and operating on the first and second values of the variable gain
15 amplifier to provide a track mis-registration value for use with a predetermined
threshold value to determine the functional capability of the data storage device.

FIG. 5



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