

ABSTRACT OF THE DISCLOSURE (FIG. 1)

"METHOD AND APPARATUS FOR
SERVO CONTROL IN A DISK DRIVE"

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In a disk drive which performs positioning
control of a head on the basis of a servo burst
pattern recorded on a disk medium, a servo processor
generates a tangent-equivalent value by using a burst
10 value obtained from the servo burst pattern.
Furthermore, the servo processor executes an
arctangent transform process by an inverse function
approximate expression structured on the basis of a
relationship between an off-track position and the
15 tangent-equivalent value to detect the off-track
position.



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