

ABSTRACT OF THE DISCLOSURE (FIG. 1)

"METHOD AND APPARATUS FOR
DECODING SYNC MARKS IN A DISK"

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In a disk drive that performs perpendicular magnetic recording, the read/write channel has a sync mark generator. The sync mark generator generates a second sync mark before the read/write channel
10 operates to write data on a disk. The second sync mark has a bit pattern including a series of bits representing positive polarity and a series of bits representing negative polarity. The series of bits, which is longer than the other, has a bit length that
15 is at least 50% but less than 85% of the total bit length of the second sync mark.



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