

HARD DISK DRIVE AND RECORDING METHOD

[Name of Document] Abstract

[Object]

To provide a hard disk drive that is capable of performing degaussing promptly and properly and a recording method for use with such a hard disk drive

[Solving Means]

A hard disk drive 1 according to one embodiment of the present invention comprises current source 165 for supplying a first current, which flows to a write head 150 for writing data onto a magnetic disk; current source 166 for supplying a second current, which flows to the write head 150 when the polarity of the first current changes; transistors 161 and 162 for reversing the polarity of a current flowing to the write head 150; and a control circuit for exercising control so that the second current I2, which flows from the current source 166 to the write head 150 when the polarity of the first current I1 is reversed, becomes approximately zero before the first current I1 converges to approximately zero during a degauss period.

[Selected Drawing] Fig. 3