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ABSTRACT OF THE DISCLOSURE (FIG. 1)

"PERPENDICULAR RECORDING MAGNETIC DISK APPARATUS"

A perpendicular recording magnetic disk apparatus has a perpendicular two-layered medium including a pinning layer, a soft underlayer and a perpendicular recording layer, and a write head including a main pole, a return yoke and an exciting coil. In this apparatus, a magnetization recoverable magnetic field H_{exf} by which the pinning layer and the soft underlayer ensure a magnetization recovery ratio of 1 is larger than a magnetic field applied by the write head to the pinning layer.



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