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ABSTRACT OF THE DISCLOSURE (FIG. 7)

"MAGNETIC REPRODUCING HEAD AND
MAGNETIC DISK APPARATUS"

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A magnetic reproducing head which reproduces
information recorded on a recording medium by
a vertical magnetic recording method, comprising
a magnetoresistance effect element including a free
10 layer whose resistance varies in response to a
variation in external magnetization, and a hard bias
layer which forms the free layer into a single
magnetic domain, wherein $(Mrt1/Mrt2) \geq 3.0$ is set when
a product of residual magnetization of the hard bias
15 layer and thickness thereof is set to Mrt1 and
strength of medium magnetization of the recording
medium is set to Mrt2.