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ABSTRACT OF THE DISCLOSURE (FIG. 5)

"MAGNETIC RECORDING APPARATUS"

A magnetic recording apparatus includes a magnetic recording media (11), a spindle motor (12) which rotates the magnetic recording media (11), a flying head slider (16) including a read head using a giant magnetoresistive element, an actuator (17) which moves the head slider (16) over the magnetic recording media (11), a chassis (10) which houses the above members, characterized further comprising a discharge mechanism which passes metal portions (41) and dielectric portions (42) alternately with facing to the read head within a distance of 50 nm or less.