

18. A magnetic disk apparatus, comprising a magnetic recording media for recording information, a magnetic read/write head having a write sensor for recording information onto said magnetic recording media and a read sensor for detecting information recorded onto said magnetic recording media, a read/write circuit for transmitting and receiving a read signal from and a write signal to said read/write head, an actuator for moving said read/write head to a predetermined position on said magnetic recording media, and means for controlling the read/write operation controlling said read/write circuit and actuator, wherein said read head comprises the magnetoresistive sensor according to claim 1.

19. A magnetic recording sensor having a structure comprising a plurality of cells in parallel including a magnetoresistive sensor for recording information, a bit line con-

nected to the magnetoresistive sensor for flowing an electric current to the sensor, a word line in the position opposite the bit line by interposing therebetween the magnetoresistive sensor layer and in the position away from the magnetoresistive sensor layer for performing recording operation onto the magnetoresistive sensor layer orthogonally to the bit line, an amplifying system for amplifying a read signal, and a read word line for switching between read and write, wherein the magnetoresistive sensor comprises the magnetoresistive sensor layer, and a layer for magnetic domain-controlling the magnetoresistive sensor layer is provided with the magnetic domain control layer having high electric resistivity according to any one of claims 1.

* * * * *