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ABSTRACT OF THE DISCLOSURE

A method of manufacturing a magnetic head apparatus with a magnetoresistive head utilizing the spin valve effect includes a final heat treatment step (S14) of heating the multi-layered spin valve structure (15) with application of a magnetic field in a direction perpendicular to a track width direction of the spin valve magnetoresistive head so that a thin film layer of soft ferromagnetic material (3, 5) to be pinned by a thin film layer of antiferromagnetic material (6) has a uniaxial anisotropy. This final heat treatment step (S14) is executed after all the steps (S1, S3, S5, S7, S8, S9, S11) each of which includes a heat treatment stage executed at a temperature which will vary a uniaxial anisotropy of the pinned thin film layer of soft ferromagnetic material (3,5) are completed.

(Fig. 3)

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