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REPLACED

DISK STORAGE SYSTEM, THIN FILM MAGNETIC HEAD THEREFOR AND FABRICATING METHOD THEREOF

Abstract

A magnetic film having high saturation magnetic flux density larger than 1.5 T and resistivity larger than 40 $\mu\Omega$•cm is fabricated through an electroplating method using (40-60)Ni-Fe and by adding Co, Mo, Cr, B, In, Pd or the like to the (40-60)Ni-Fe. Thereby, it is possible to obtain a recording head capable of performing sufficient recording at a high frequency range and to obtain a disk storage system with high recording density which has a transfer rate higher than 15 MB/s, a recording frequency higher than 45 MHz and a rotating speed of a magnetic disk higher than 4000 rpm.

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