This Sheet Has Been Replaced



ABSTRACT

A magnetic recording transfer method for use with the combination of a mother magnetic recording medium (1) and a copy magnetic recording medium (2) of a metal-deposited thin film type each. The two media (1,2) are overlaid so that the column (3) inclination of one medium will be opposite in direction to that of the other medium. This method comprises the step of externally applying a biased magnetic field (H_B) to the combination of the media (1,2) in such a manner that magnetized recordings on the mother medium (1) will be transferred to the copy medium (2). The easy axis of the mother medium is positioned at an angle of 20° ± 15°° with respect to the in-plane direction (X) of the medium. The biased magnetic field is applied to the mother medium (1) at an angle of 110° ± 15° with respect to the in-plane direction (X) of the medium (1). This makes it possible to enhance the efficiency in transferring magnetic recording of the mother medium (1), especially the recordings of short wave lengths, and to minimize demagnetization of the mother medium (1). Furthermore, the ratio of the coercive force H_{CM} of the mother medium (1) to the coercive force H_{CC} of the copy medium (2), i.e. H_{CM}/H_{CC}, is set to at most 1.5. This improves the magnetic recording transfer output of the copy medium and boosts the efficiency in the magnetic transfer of short wave magnetic recordings.

(Fig. 1)