

ABSTRACT

MAGNETIC TRANSFER METHOD AND MAGNETIC RECORDING MEDIUM

The present invention provides a method for transferring a transfer pattern with high quality by magnetic transfer to both surfaces of a slave medium. The invention provides a method for performing magnetic transfer by bringing a master carrier for magnetic transfer and a slave medium in close contact with each other and by applying a magnetic field for transfer, whereby a product $(Ms_1 \delta_1)$ of saturation magnetization (Ms_1) and film thickness (δ_1) of a magnetic layer of the master carrier to be used for magnetic transfer on a surface of the slave medium with earlier magnetic transfer and a product $(Ms_2 \delta_2)$ of saturation magnetization (Ms_2) and film thickness (δ_2) of a magnetic layer of the master carrier to be used for magnetic transfer on the other surface of the slave medium with subsequent magnetic transfer are in a relation of: $1.5 < (Ms_2 \delta_2) / (Ms_1 \delta_1) < 10$, and a transfer magnetic field (H_{du1}) applied to the surface with the earlier magnetic transfer and a transfer magnetic field (H_{du2}) on the surface of the slave medium with the subsequent magnetic transfer are in a relation of: $0.2 \leq H_{du2} / H_{du1} \leq 0.9$.

FIGURE: NONE