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ABSTRACT

MAGNETIC TRANSFER APPARATUS

By bring a master carrier and a slave medium into close contact with uniform force when executing magnetic transfer by applying transfer magnetic field in the state that the master carrier and slave medium is in confronted close contact and received within a holder, inferiority of transfer such as omission of signals is prevented and quality of transfer signals is enhanced.

The magnetic transfer apparatus executes magnetic transfer by applying transfer magnetic field by means of a magnetic field applying apparatus 5 after a master carrier 3, 4 bearing transfer information and a slave medium 2 to be transferred are brought into confronted close contact and received within a holder 10, wherein said holder 10 has a substantially circular shape and in particular, the circularity of holder is not less than 98 %, wherein the flexural rigidity $= Ed^3/12$ determined by Young's modulus E and thickness d of the holder is in the range of 0.1~30 kN·m² when the width of close contact area between the slave medium and master carrier is defined as 1m, and wherein the practical thickness of the holder is not less than 3 mm and not more than 15 mm.

(Figure 1)