

ABSTRACT

MAGNETIC RECORDING MEDIUM

A magnetic recording medium is provided that is capable of satisfying the requirements for both SNR and EWAC characteristics and coping with improvements in recording density is provided. The magnetic recording medium includes at least a disc-shaped non-magnetic substrate having a hole at a center, a soft magnetic underlying layer, and a magnetic recording layer. Relative permeability of the soft magnetic underlying layer under a magnetic field having one of the frequencies 100 MHz to 700 MHz increases gradually from a disc outer circumference to a disc inner circumference and a characteristic frequency of the relative permeability increases gradually from the disc inner circumference to the disc outer circumference.

Fig. 1