

ABSTRACT OF THE DISCLOSURE

PERPENDICULAR MAGNETIC RECORDING MEDIUM

There is provided a perpendicular two-layer magnetic recording medium having improved medium performance, with reduced noise caused by a soft underlayer, and no erasure of recorded magnetization due to the influence of an external magnetic field. The perpendicular magnetic recording medium has a nonmagnetic substrate, a soft underlayer, a nonmagnetic coupling layer, a hard magnetic pinning layer, a nonmagnetic intermediate layer, and a magnetic recording layer in this order, wherein the soft underlayer and the hard magnetic pinning layer are antiferromagnetically coupled together at ordinary temperature via the nonmagnetic coupling layer, and an axis of easy magnetization of the hard magnetic pinning layer is perpendicular to a surface of the nonmagnetic substrate.

Selected Drawing: Fig. 2