

PERPENDICULAR MAGNETIC RECORDING MEDIUM

Abstract of the Disclosure:

A perpendicular magnetic recording medium is used for information recording of a perpendicular magnetic recording type. The perpendicular magnetic recording medium includes a substrate, a soft magnetic layer, an underlayer, and a magnetic layer having a multilayered structure including a plurality of magnetic layers. The soft magnetic layer, the underlayer, and the magnetic layer are formed on the substrate. At least one of the magnetic layers includes CoPt magnetic grains containing oxide. The oxide includes at least one material selected from the group consisting of SiO_2 , TiO_2 , Cr_2O_3 , Ta_2O_5 , WO_3 , CoO , and Co_3O_4 .

FIGURE 1