

Pt-OXIDE SPUTTERING TARGET AND PERPENDICULAR
MAGNETIC RECORDING MEDIUM

ABSTRACT

Provided is a magnetic recording medium having a large magnetocrystalline anisotropy constant K_u and a high coercivity H_c as well as a sputtering target used for producing such a magnetic recording medium.

A Pt-oxide-based sputtering target consists of 60 vol% or more and less than 100 vol% of a Pt-base alloy phase and more than 0 vol% and 40 vol% or less of an oxide, where the Pt-base alloy phase contains 50 at% or more and 100 at% or less of Pt.