

ABSTRACT

PERPENDICULAR MAGNETIC RECORDING MEDIUM

A perpendicular magnetic recording medium in which magnetic crystal grains are sufficiently ordered and separated is provided. The perpendicular magnetic recording medium has high coercivity. The perpendicular magnetic recording medium includes a non-magnetic substrate and a magnetic recording layer. The magnetic recording layer has a granular structure that includes magnetic crystal grains and a non-magnetic crystal grain boundary that surrounds the magnetic crystal grains, and the magnetic crystal grains contain an ordered alloy, and the non-magnetic crystal grain boundary contains Ge oxides.