ABSTRACT

MAGNETIC RECORDING MEDIUM

The purpose of the present invention is to provide a perpendicular magnetic recording medium which uses an Ru seed layer (31) having a (002)-oriented hcp structure, and has a magnetic recording layer (40) including a (001)-oriented $L1_0$ ordered alloy suitable to perpendicular magnetic recording. The magnetic recording medium of the present invention includes a substrate (10), a first seed layer (31) containing Ru, a second seed layer (32) containing ZnO, a third seed layer (33) containing MgO, and a magnetic recording layer (40) containing an ordered alloy, in this order, the first seed layer having the (002)-oriented hexagonal closest packed structure.

(FIG. 1)