

ABSTRACT

METHOD FOR PRODUCING MAGNETIC RECORDING MEDIUM

The purpose of the present invention is to provide a magnetic recording medium having a stacked structure of a seed layer including $(\text{Mg}_{1-x}\text{Ti}_x)\text{O}$ and a magnetic recording layer including an Ll_0 ordered alloy, and having improved properties. The method for producing a magnetic recording layer according to the present invention includes the steps of: (1) preparing a substrate; (2) forming a seed layer including $(\text{Mg}_{1-x}\text{Ti}_x)\text{O}$ onto the substrate; (3) plasma etching the seed layer in an atmosphere including inert gas; and (4) forming a magnetic recording layer including an ordered alloy onto the seed layer which has been subjected to the step (3).

(FIG. 1)