

ABSTRACT

METHOD OF PRETREATING A NONMAGNETIC SUBSTRATE AND A MAGNETIC RECORDING MEDIUM

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A problem to be solved by the present invention is to form a Ni-P plating layer on a glass substrate that is a nonmagnetic substrate, the Ni-P plating layer having a thickness, adhesiveness, homogeneity, and smoothness that are sufficient to obtain a well-performed magnetic recording layer.

10 The above problems are solved by a method of pretreating the nonmagnetic substrate comprising steps of degreasing and glass activation treatments of the surface of the nonmagnetic substrate 1, applying a nickel chelate agent or a nickel soap agent on the substrate surface, a metallizing baking treatment of the nickel- containing agent, an activation treatment of the metallized nickel film to
15 form a nickel adhesion layer 2, a treatment to form a palladium catalyst layer 3 on the nickel adhesion layer, forming a Ni-P plating layer 4 on the palladium catalyst layer by electroless plating in the range of phosphorus concentration of 1 to 13 wt%, and a heating treatment.

20 Selected Drawing: Figure 1