

ABSTRACT

Provided are a method for production of a hard disk substrate capable of obtaining a smooth surface of a plating film by electroless NiP plating that is not degraded in corrosion resistance against the acid solution and such a hard disk substrate. According to the present invention, a method for production of a hard disk substrate including an electroless NiP plating film, includes the steps of: a first plating step of immersing a substrate in first electroless NiP plating bath containing an additive having a smoothing effect to form a lower layer of the electroless NiP plating film on a surface of the substrate, the lower layer having average surface roughness smaller than an average surface roughness of the surface; and a second plating step of immersing the substrate on which the lower layer of the electroless NiP plating film is formed in the first plating step in second electroless NiP plating bath to form an upper layer of the electroless NiP plating film, the upper layer having corrosion resistance against the acid solution. Thereby, a plating film having a smooth surface that is not degraded in corrosion resistance against the acid solution can be obtained.