

FLATTENING FILM FORMING COMPOSITION FOR HARD DISK

ABSTRACT

5

There is provided a flattening film forming composition that can prevent a magnetic material such as a cobalt constituent from migrating to the filled part (nonmagnetic layer). A flattening film forming composition for a hard disk, characterized by comprising a photopolymerizable coating material containing at least one polymer selected from the group consisting of a homopolymer that has a divinyl aromatic compound-derived unit structure and a copolymer having the unit structure or containing a mixture of the polymer and a photopolymerizable compound, wherein the coating material contains 1% by mole to 90% by mole of vinyl groups per mole of benzene rings. The photopolymerizable compound may be a compound including an acrylate group, a methacrylate group, or a vinyl group. The polymer may be a copolymer further containing an addition polymerizable compound as a component to be copolymerized. A method for producing a hard disk, comprising: a first step of forming projections and recesses on a magnetic body; a second step of coating the projections and recesses with the flattening film forming composition; and a third step of flattening the coating by means of etching and exposing a surface of the magnetic body.

FIG. 1