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Abstract

Perpendicular Magnetic Recording Medium And A Method For 5 Manufacturing The Same

A perpendicular magnetic recording medium of the invention comprises a nonmagnetic substrate, a nonmagnetic underlayer of a
10 metal or an alloy having hcp crystal structure, a magnetic recording layer consisting of ferromagnetic crystal grains and nonmagnetic grain boundary phase mainly composed of oxide surrounding the grains, a protective film, and a liquid lubrication layer sequentially laminated on the substrate. A seed layer of a metal or an alloy
15 having fcc crystal structure is provided under the nonmagnetic underlayer, and a nonmagnetic alignment control layer is provided under the seed layer.

[Selected drawing]

Figure 1