Abstract

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Longitudinal Magnetic Recording Medium And A Method For Manufacturing The Same

A longitudinal magnetic recording medium of the invention comprises at least a nonmagnetic underlayer 2a, a nonmagnetic intermediate layer 3a, a pair of a magnetic stabilizing layer 4a and a nonmagnetic metallic spacer layer 5a, a magnetic layer 6a, a protective film layer 7a, and a liquid lubricant layer 8a sequentially laminated on a nonmagnetic substrate 1a. The magnetic layer has a granular structure consisting of ferromagnetic crystal grains with hexagonal closest packed structure and nonmagnetic grain boundary region surrounding the grains and composed mainly of oxide. The stabilizing layer and the magnetic layer are antiferromagnetically coupled to one another through the spacer.

Selected drawing Figure 1

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