

Abstract

Perpendicular Magnetic Recording Medium And A Method For Manufacturing the Same

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A perpendicular magnetic recording medium according to the present invention comprises a magnetic recording layer 15 laminating magnetic layers composed of a respective different material. In a lower magnetic layer 151 of the magnetic recording layer, ferromagnetic grains 20 are surrounded by nonmagnetic grain boundary region 21 composed principally of oxide or nitride, and in an upper magnetic layer 152 of the magnetic recording layer, ferromagnetic grains 30 are surrounded by nonmagnetic grain boundary region 31 composed principally of chromium. A heating process is conducted after forming the lower magnetic layer 151 and before forming the upper magnetic layer

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Selected drawing Figure 1