

ABSTRACT OF THE DISCLOSURE

5 PERPENDICULAR MAGNETIC RECORDING MEDIUM AND MAGNETIC
 STORAGE APPARATUS

10 A perpendicular magnetic recording medium is
provided with a substrate, a soft magnetic back layer
provided on a surface of the substrate, an orientation
controlling underlayer provided on the soft magnetic
back layer, and a recording layer provided above the
orientation controlling underlayer and having axes of
15 easy magnetization approximately perpendicular to the
surface of the substrate. The recording layer is made
of a ferromagnetic material having an hcp crystal
structure. The orientation controlling underlayer is
made of a nonmagnetic material having an fcc crystal
20 structure and having NiCr or NiCu as a main component.

Figure 1

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