

Abstract

A PERPENDICULAR RECORDING MEDIUM

- 5 A perpendicular recording medium comprising: a substrate; a soft underlayer comprising a first magnetic layer formed on top of the substrate, a second magnetic layer formed on top of the first magnetic layer, a third layer magnetic formed on top of the second magnetic layer, and a Ru layer formed between one of: the first magnetic layer and the second magnetic layer, and, the second magnetic layer and the third magnetic layer; an orientation control
10 layer formed on top of the soft underlayer; an intermediate layer formed on top of the orientation control layer; and a recording layer formed on top of the intermediate layer.

FIG. 2

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