

MAGNETIC RECORDING MEDIUM

ABSTRACT OF THE DISCLOSURE

A magnetic recording medium comprising a substrate 1 having thereon an in-plane magnetic film 3 having a magnetic easy axis oriented in the in-plane direction with respect to the substrate and a vertical magnetic film 6 having a magnetic easy axis oriented
5 perpendicularly to the substrate. The in-plane magnetic film 3 is disposed closer to the substrate 1 than the vertical magnetic film 6. In preferred embodiments, the magnetic recording medium may further comprise a separation film 4 disposed between the
10 in-plane magnetic film 3 and the vertical magnetic film 6, a nonmagnetic intermediate layer 5 having an hcp structure disposed between the separation film 4 and the vertical magnetic film 6, and a protective film 7. The magnetic recording medium is adapted for use with a signal processing system generally used for
15 in-plane magnetic recording media without modification of the signal processing system.

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