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MAGNETIC RECORDING MEDIUM WITH B2 STRUCTURED UNDERLAYER AND A COBALT-BASED MAGNETIC LAYER

ABSTRACT

The present invention provides a longitudinal magnetic recording media having a substrate, a Co or Co alloy based magnetic layer and an underlayer disposed between the substrate and the magnetic layer comprised of a material having a B2 ordered crystalline structure, preferably NiAl or FeAl. A thin Cr intermediate layer of about 1.0nm to 5.0nm thick may be positioned between the underlayer and the magnetic layer.

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