HIGH COERCIVITY COBALT BASED ALLOY LONGITUDINAL RECODING MEDIA AND METHOD FOR ITS FABRICATION

ABSTRACT

The present invention provides improved magnetic recording media comprising a substrate, a non-magnetic underlayer, and a cobalt alloy based magnetic layer in a hexagonal closely-packed structure. An optional thin magnetic or non-magnetic intermediate layer is disposed between the magnetic layer and the substrate. The multilayer thin films of this invention are subjected to heat treatment after deposition. The multilayer films of this invention provide significant improvement in magnetic properties for longitudinal magnetic recording.

Figures 1(a)