

THIN FILM STRUCTURE HAVING A SOFT MAGNETIC INTERLAYER

ABSTRACT OF THE DISCLOSURE

A thin film structure that includes a hard magnetic recording layer, a soft magnetic underlayer and an intermediate layer between the hard magnetic recording layer and the soft magnetic underlayer is disclosed. The intermediate layer comprises a soft magnetic interlayer, and a non-magnetic interlayer between the soft magnetic interlayer and the hard magnetic recording layer. The thin film structure can be a recording medium. The soft magnetic interlayer can be crystalline.

FIGURE 3