

ABSTRACT OF THE DISCLOSURE

A longitudinal magnetic recording medium and a magnetic storage apparatus using the longitudinal magnetic recording medium. The recording medium has a multi-layered underlayer and a magnetic layer formed on it. The underlayer has a first layer of a body-centered cubic structure, a second layer of a hexagonal-close packed structure formed on the first layer, and a third layer of a bcc structure formed on the second layer. The underlayer may further have a fourth layer of an hcp structure layer formed on the third layer.