

VERTICAL MAGNETIC RECORDING DISK MANUFACTURING METHOD
AND VERTICAL MAGNETIC RECORDING DISK

ABSTRACT

In a method of manufacturing a magnetic disk including at least a magnetic recording layer on a substrate 1 and used for vertical magnetic recording, in a step of forming, on the substrate 1, the magnetic recording layer composed of a ferromagnetic layer 5 having a granular structure and an exchange energy control layer 7 constituted by a laminated layer formed on the ferromagnetic layer 5, at least the exchange energy control layer 7 is formed through sputtering in an atmosphere of a rare gas having a greater mass than an argon gas. The rare gas having a greater mass than the argon gas is a krypton (Kr) gas, for example. The exchange energy control layer 7 is a laminated layer composed of a first layer containing Co or a Co-alloy and a second layer containing palladium (Pd) or platinum (Pt), for example.

FIG.1