

ABSTRACT OF THE DISCLOSURE

LONGITUDINAL MAGNETIC RECORDING MEDIUM AND METHOD OF MANUFACTURING THE SAME

It is an object to provide a high-recording-density magnetic recording medium for which a high OR is realized and yet there is little reduction in the Hcr. The magnetic recording medium comprises a nonmagnetic substrate, a first seed layer, a second seed layer, a first underlayer, a second underlayer, and a magnetic recording layer in this order, wherein the first seed layer comprises a single layer or a plurality of layers made of at least one material selected from the group consisting of Ni-Ti alloys, Cr-Al alloys, Cr-Ta alloys, and Cr-Ti alloys, the second seed layer comprises a single layer or a plurality of layers made of at least one material selected from the group consisting of Ni-W alloys, Ni-Ru-W alloys, and Co-W alloys, the first underlayer comprises a single layer or a plurality of layers made of a Cr-Ru alloy, and the second underlayer comprises a single layer or a plurality of layers made of a Cr alloy comprising Cr and at least one element selected from the group consisting of Mo, B, Ti, and W.

Selected Drawing: Fig. 1