

ABSTRACT

An object of the present invention is to provide a Co-based alloy which enables to obtain a target having an excellent toughness, and to obtain a soft magnetic layer having a low saturation magnetic flux density. To achieve the above mentioned object, the present invention provides a Co-based alloy for a soft magnetic layer of a magnetic recording medium, the alloy consisting of: 11 at% or more and 25 at% or less of one or two or more elements XA selected from the group consisting of Nb, Mo, Ta and W; 0.4 at.% or more and 10 at% or less of one or two or more elements XB selected from the group consisting of V, Cr, Mn, Ni, Cu and Zn; and the balance being Co, Fe and unavoidable impurities, wherein the total content of the one or two or more elements XA and the one or two or more elements XB is less than 30 at%.

[No drawing]