

ALLOY FOR A SEED LAYER OF A MAGNETIC RECORDING MEDIUM

ABSTRACT

An object of the present invention is to provide an alloy for a seed layer which can provide a magnetic recording medium having a large capacity and excellent corrosion resistance, and, in order to achieve this object, the present invention provides an alloy for a seed layer of a magnetic recording medium, including: Ni; at least one selected from Fe and Co; one or more elements M1 selected from the group consisting of W, Mo, Ta, Cr, V and Nb; one or more elements M2 selected from the group consisting of Au, Ag, Pd, Rh, Ir, Ru, Re and Pt; and unavoidable impurities, wherein: the content of the one or more elements M1 is 2 at.% or more and 13 at.% or less; the content of the one or more elements M2 is 2 at.% or more and 13 at.% or less; the sum of the content of the one or more elements M1 and the content of the one or more elements M2 is 4 at.% or more and 15 at.% or less; and when a ratio Ni:Fe:Co, which is a ratio of the contents of Ni, Fe, and Co (at.%) in the alloy, is expressed as Ni:Fe:Co=X:Y:Z, X is 20 or more and 100 or less, Y is 0 or more and 50 or less, and Z is 0 or more and 60 or less.

No Drawings