CLAIMS

[Claim 1]

An alloy material comprising:

25 at% or more and 38 at% or less of Co;

16 at% or more and 23 at% or less of Cr;

12 at% or more and 20 at% or less of Fe;

17 at% or more and 28 at% or less of Ni;

1 at% or more and 7 at% or less of Mo;

1 at% or more and less than 8 at% of Ti;

more than 0 at% and 4 at% or less of at least one kind of Ta or Nb; and

a remainder consisting of unavoidable impurities,

wherein a total content of Ti and the at least one kind of Ta or Nb is 3 at% or more and 8 at% or less.

[Claim 2]

The alloy material according to claim 1,

wherein the content of Ti is 2 at% or more and less than 5 at%.

[Claim 3]

An alloy product that is formed of the alloy material according to claim~~s~~ 1 or 2,

wherein when a secondary electron image of a cross-section of the alloy product in an area of 400 μm × 300 μm is observed with a scanning electron microscope, a total

occupancy of η phase and Laves phase precipitates having a size of 1 um or more is 5 area% or less.

[Claim 4]

The alloy product according to claim 3,

wherein ultrafine particles having an average particle size of 130 nm or less are dispersed and precipitated in matrix crystal grains of the alloy product.

[Claim 5]

A mechanical device comprising the alloy product according to claim 3 or 4.