

ABSTRACT

There is provided a cobalt-based alloy product comprising: in mass %, 0.08-0.25% C; more than 0.04% and
5 0.2% or less N, the total amount of C and N being more than 0.12% and 0.28% or less; 0.1% or less B; 10-30% Cr; 5% or less Fe and 30% or less Ni, the total amount of Fe and Ni being 30% or less; W and/or Mo, the total amount of W and Mo being 5-12%; 0.5% or less Si; 0.5% or less Mn; 0.5 to 2
10 mass % of an M component being a transition metal other than W and Mo and having an atomic radius of more than 130 pm; and the balance being Co and impurities. The product comprises matrix phase crystal grains, in which particles of MC carbides, M(C,N) carbonitrides and/or MN nitrides
15 including the M component are precipitated at an average interparticle distance of 0.13-2 μm .

(FIG. 3)