

ABSTRACT

There is provided a cobalt-based alloy material comprising: in mass %, 0.08-0.25% C; 0.003-0.2% N, the
5 total amount of C and N being 0.083-0.28%; 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%; Al and/or Si, at
least one of Al and Si being more than 0.5% and 3% or less,
10 and the total amount of Al and Si being more than 0.5% and
4% or less; 0.5% or less Mn; 0.5-4% 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. There is also provided a product formed from
15 the cobalt-based alloy material.

(FIG. 2)