

ABSTRACT

There is provided a cobalt-based alloy product comprising: Co, C, N, B, Cr, Fe, Ni, W, Mo, Al, Si, and/or
5 Mn with predetermined contents, and 0.5-4 mass% of an M component. The M component is a transition metal other than W and Mo and having an atomic radius of more than 130 pm. The product is a polycrystalline body of matrix phase crystal grains in which segregation cells are formed. There
10 are at least two kinds of regions of the segregation cells wherein: a first region has an average size of 0.13-1.3 μm ; a second region has an average size of 0.25-2 μm ; and the average size of the second region is 1.3 times or more
larger than that of the first region.

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(FIG. 7)