

Abstract

Provided is a method of producing a TiAl-based alloy, including sintering mixed raw material powder containing Ti powder and Al powder as main raw materials, wherein such an alloy that an abundance ratio of Al in an arbitrary section measuring 0.5 mm by 0.5 mm inside a sintered body falls within a range of an Al fraction in the mixed raw material powder plus and minus 3 at% is obtained by increasing a temperature of the mixed raw material powder at a rate of temperature increase of 10°C or less per minute, or by arranging an isothermal holding time while increasing the temperature in a stepwise manner, in a predetermined temperature region between 550°C and 750°C.