

METHOD FOR PRODUCING TIAL INTERMETALLIC COMPOUND POWDER AND TIAL INTERMETALLIC COMPOUND POWDER

ABSTRACT

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Provided is a method for producing a TiAl intermetallic compound powder in which it is possible to reduce the number of internal pores. Also provided is a TiAl intermetallic compound powder in which internal pores have been reduced in number. This method for producing a TiAl intermetallic compound powder comprises passing a cutting chips of a TiAl
10 intermetallic compound through a thermal plasma flame and performing a spheroidizing treatment. This TiAl intermetallic compound powder of which a cross section has a porosity of 0-0.4 area%. The TiAl intermetallic compound powder described above is suitable as a raw material powder for use in fabricating a molded article by various powder metallurgy methods and/or layer molding methods.

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FIG. 3