

Title (en)

METAL POWDER FOR POWDER METALLURGY, COMPOUND, GRANULATED POWDER, AND SINTERED BODY

Title (de)

METALLPULVER FÜR PULVERMETALLURGIE, VERBINDUNG, GRANULIERTES PULVER UND GESINTERTER KÖRPER

Title (fr)

POUDRE DE MÉTAL POUR MÉTALLURGIE DES POUDRES, COMPOSÉ, POUDRE GRANULÉE ET CORPS FRITTÉ

Publication

EP 3050985 B1 20190522 (EN)

Application

EP 16152921 A 20160127

Priority

JP 2015016091 A 20150129

Abstract (en)

[origin: EP3050985A1] A metal powder for powder metallurgy includes particles, which contain Fe as a principal component, Cr in a proportion of 10 to 30 mass%, C in a proportion of 0.1 to 2 mass%, and Si in a proportion of 0.2 to 1.5 mass%, and in which when one element selected from the group consisting of Ti, V, Y, Zr, Nb, Hf, and Ta is defined as a first element, and one element selected from the group, and having a higher group number in the periodic table than that of the first element or having the same group number in the periodic table as that of the first element and a higher period number in the periodic table than that of the first element is defined as a second element, the first element is contained in a proportion of 0.01 to 0.5 mass%, and the second element is contained in a proportion of 0.01 to 0.5 mass%, wherein the number of crystals in the cross section of the particle is 1 or more and 5 or less on average.

IPC 8 full level

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CPC (source: CN EP US)

B22F 1/10 (2022.01 - CN EP US); **B22F 3/24** (2013.01 - EP US); **B22F 5/00** (2013.01 - US); **B22F 9/04** (2013.01 - EP US); **C22C 33/0285** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/12** (2013.01 - US); **C22C 38/42** (2013.01 - US); **C22C 38/46** (2013.01 - EP US); **C22C 38/48** (2013.01 - EP US); **C22C 38/50** (2013.01 - EP US); **B22F 1/09** (2022.01 - CN EP US); **B22F 3/15** (2013.01 - EP US); **B22F 2003/248** (2013.01 - EP US); **B22F 2301/35** (2013.01 - US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

Cited by

EP3467128A1; EP3695020A4

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