

Title (en)

ALLOY POWDER, ALLOY SINTERED COMPACT AND METHOD FOR THEIR PRODUCTION

Title (de)

LEGIERUNGSPULVER, GESINTERTE LEGIERUNGSPELLETS UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

ALLIAGE EN POUDRE, ALLIAGE EN PASTILLES FRITTEES ET PROCEDE DE PRODUCTION

Publication

EP 1118404 A1 20010725 (EN)

Application

EP 99943375 A 19990916

Priority

- JP 9905060 W 19990916
- JP 28889998 A 19980924
- JP 24360399 A 19990830

Abstract (en)

Primary powder particles 2 whose main component is aluminum and whose particle diameter is between 5 μ m and 300 μ m are bound together using an organic binder 3 to form secondary powder particles 1 having a particle diameter of 10 μ m to 500 μ m. Similarly, primary powder particles whose main component is iron and whose particle diameter is between 20 μ m and 100 μ m are bound together using an organic binder to form secondary powder particles having a particle diameter of 50 μ m to 200 μ m. Thus, an alloy powder having excellent fluidity can be obtained, and a sintered alloy material having high dimensional accuracy can be produced with these secondary powder particles. <IMAGE>

IPC 1-7

B22F 3/20

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN102189253A; US2010310199A1; US9316253B2; EP2366475A1; CN105142830A; EP2988895A4; US11644397B2; US11448578B2; CN111033215A; EP3674682A4; EP3674683A4; WO2014176045A1; US9993872B2

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