

Title (en)
SINTER-ACTIVE METAL AND ALLOY POWDERS FOR POWDER METALLURGY APPLICATIONS AND METHODS FOR THEIR PRODUCTION AND THEIR USE

Title (de)
SINTERAKTIVE METALL- UND LEGIERUNGSPULVER FÜR PULVERMETALLURGISCHE ANWENDUNGEN UND VERFAHREN ZU DEREN HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)
POUDRES DE METAL ET D'ALLIAGE POUR LE FRITTAGE, A UTILISER DANS LA METALLURGIE DES POUDRES, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION

Publication
EP 1079950 A1 20010307 (DE)

Application
EP 99923562 A 19990508

Priority
• DE 19822663 A 19980520
• EP 9903170 W 19990508

Abstract (en)
[origin: US6554885B1] A process is described for the production of metal powder and alloy powders containing at least one of the metals iron, copper, tin, cobalt or nickel, by mixing aqueous metal salt solutions with an aqueous carboxylic acid solution, separating the precipitation product from the mother liquor and reducing the precipitation product to the metal.

IPC 1-7
B22F 9/22

IPC 8 full level
C22B 5/12 (2006.01); **B22F 9/22** (2006.01)

CPC (source: EP KR US)
B22F 9/22 (2013.01 - EP KR US); **B22F 2998/00** (2013.01 - EP US)

C-Set (source: EP US)
B22F 2998/00 + **C22C 1/051** + **C22C 26/00**

Cited by
DE102007004937A1; DE102007004937B4; DE102006045339B3; EP2436793A1; DE102008052559A1; US8523976B2

Designated contracting state (EPC)
AT BE DE FI FR GB GR IT NL SE

DOCDB simple family (publication)
US 6554885 B1 20030429; AT E246976 T1 20030815; AU 4039399 A 19991206; CA 2332889 A1 19991125; CA 2332889 C 20100406; CN 1254339 C 20060503; CN 1301205 A 20010627; DE 19822663 A1 19991202; DE 59906598 D1 20030918; EP 1079950 A1 20010307; EP 1079950 B1 20030813; JP 2002515543 A 20020528; JP 2009001908 A 20090108; JP 4257690 B2 20090422; KR 100543834 B1 20060123; KR 20010052366 A 20010625; WO 9959755 A1 19991125

DOCDB simple family (application)
US 70053300 A 20001115; AT 99923562 T 19990508; AU 4039399 A 19990508; CA 2332889 A 19990508; CN 99806294 A 19990508; DE 19822663 A 19980520; DE 59906598 T 19990508; EP 9903170 W 19990508; EP 99923562 A 19990508; JP 2000549408 A 19990508; JP 2008196006 A 20080730; KR 20007012982 A 20001118