

Title (en)

METHOD FOR PRODUCING HARD METAL MIXTURES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HARTMETALLMISCHUNGEN

Title (fr)

PROCEDE POUR PRODUIRE DES MELANGES DE METAUX DURS

Publication

**EP 1153150 B1 20021127 (DE)**

Application

**EP 00904876 A 20000105**

Priority

- DE 19901305 A 19990115
- EP 0000043 W 20000105

Abstract (en)

[origin: US6626975B1] The invention relates to a method for producing a homogeneous mixture of hard material powders and binder metal powders without using grinding bodies, liquid grinding auxiliary agents and suspending media. According to the invention, the mixture components are mixed at close range while generating a high shearing collision velocity of the powder particles and are remotely mixed by rotating the mixing bed without resulting in a particle size reduction of the hard material powders.

IPC 1-7

**C22C 1/05**

IPC 8 full level

**B22F 1/00** (2006.01); **B01F 29/64** (2022.01); **C22C 1/05** (2006.01)

CPC (source: EP KR US)

**B01F 29/4033** (2022.01 - EP); **B01F 29/64** (2022.01 - EP US); **B01F 33/862** (2022.01 - EP US); **C22C 1/05** (2013.01 - EP KR US); **C22C 1/051** (2013.01 - EP US); **B01F 27/80** (2022.01 - EP US); **B01F 29/4033** (2022.01 - US); **B22F 2999/00** (2013.01 - EP US); **Y10T 428/2993** (2015.01 - EP US)

C-Set (source: EP US)

**B22F 2999/00** + **C22C 1/05** + **B22F 9/04** + **B22F 2202/15**

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6626975 B1 20030930**; AT E228579 T1 20021215; AU 2662200 A 20000801; CN 1114706 C 20030716; CN 1336962 A 20020220; CZ 20012376 A3 20020515; DE 19901305 A1 20000720; DE 50000822 D1 20030109; EP 1153150 A1 20011114; EP 1153150 B1 20021127; HK 1044356 A1 20021018; HK 1044356 B 20040402; IL 143869 A0 20020421; JP 2002534613 A 20021015; KR 100653810 B1 20061205; KR 20010089830 A 20011008; PL 191783 B1 20060731; PL 349919 A1 20021007; PT 1153150 E 20030430; WO 0042230 A1 20000720; ZA 200105109 B 20020621

DOCDB simple family (application)

**US 88929901 A 20010713**; AT 00904876 T 20000105; AU 2662200 A 20000105; CN 00802674 A 20000105; CZ 20012376 A 20000105; DE 19901305 A 19990115; DE 50000822 T 20000105; EP 0000043 W 20000105; EP 00904876 A 20000105; HK 02105985 A 20020815; IL 14386900 A 20000105; JP 2000593786 A 20000105; KR 20017008885 A 20010713; PL 34991900 A 20000105; PT 00904876 T 20000105; ZA 200105109 A 20010621