

Title (en)

MULTI-METAL POWDER AND A SINTERED COMPACT PRODUCED THEREFROM

Title (de)

MULTIMETALLPULVER UND DARAUS HERGESTELLTER SINTERKÖRPER

Title (fr)

POUDRE POLYMETALLIQUE ET PIECE FRITTEE FABRIQUEE A PARTIR DE CETTE POUDRE

Publication

EP 1948838 A1 20080730 (FR)

Application

EP 06831061 A 20061103

Priority

- FR 2006002458 W 20061103
- FR 0511420 A 20051109

Abstract (en)

[origin: WO2007057533A1] A multi-metal powder, in particular for producing diamond tools comprises iron copper, cobalt and molybdenum whose contents are expressed in the following mass percentages: Fe + Cu + Co + Mo = 98 mass %, the rest being oxygen and production impurities, wherein 15 % = Cu = 35 %, 0,03 = Mo / (Co + Fe + Mo) = 0,10, - Fe / Co = 2. A sintered compact is obtained by hot compaction of said multi-metal powder, for example, in the form of a diamond cutting tool.

IPC 8 full level

C22C 26/00 (2006.01); **C22C 1/04** (2006.01); **C22C 33/02** (2006.01)

CPC (source: EP KR US)

C22C 1/0425 (2013.01 - EP KR US); **C22C 26/00** (2013.01 - EP KR US); **C22C 33/0278** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2007057533A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2892957 A1 20070511; FR 2892957 B1 20090605; EP 1948838 A1 20080730; EP 1948838 B1 20181205; JP 2009515051 A 20090409; KR 101363968 B1 20140218; KR 20080077148 A 20080821; PL 1948838 T3 20190628; US 2009188171 A1 20090730; US 7998230 B2 20110816; WO 2007057533 A1 20070524

DOCDB simple family (application)

FR 0511420 A 20051109; EP 06831061 A 20061103; FR 2006002458 W 20061103; JP 2008539467 A 20061103; KR 20087013525 A 20061103; PL 06831061 T 20061103; US 9306006 A 20061103