

Title (en)
METHOD FOR PRODUCING HARD METAL GRANULATED MATERIAL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON HARTMETALLGRANULAT

Title (fr)
PROCEDE DE PRODUCTION D'UN GRANULAT EN METAL DUR

Publication
EP 1373586 A2 20040102 (DE)

Application
EP 02703390 A 20020308

Priority
• AT 0200077 W 20020308
• AT 2312001 U 20010329

Abstract (en)
[origin: WO02079532A2] The invention relates to a method for producing a hard metal granulated material by carrying out wet milling and spray drying inside a spray tower -1- while using pure water as the liquid phase. According to the invention, the spray tower -1- is configured and operated in such a manner that the ratio of the amount of water, which is supplied over the wet slurry, in liters per hour ranges from 0.5 to 1.8 with regard to the tower volume in m<3>, and that a maximum of 0.17 kg wet slurry is supplied per m<3> drying gas, whereby the wet slurry has a solids content ranging from 65 to 85 wt. %. Under these conditions, the usually necessary addition of a water-soluble, long-chain polyglycol to the wet slurry before spraying in order to prevent the hard metal granulated material from oxidizing is eliminated.

IPC 1-7
C22C 1/05; B22F 9/02

IPC 8 full level
B22F 1/00 (2006.01); **B22F 9/02** (2006.01); **B22F 9/04** (2006.01); **C22C 1/05** (2006.01); **C22C 29/08** (2006.01)

CPC (source: EP KR US)
B22F 9/026 (2013.01 - EP US); **B22F 9/06** (2013.01 - KR); **C22C 29/08** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

C-Set (source: EP US)
1. **B22F 2998/10 + B22F 9/04 + B22F 9/026**
2. **B22F 2999/00 + C22C 1/051 + B22F 9/04 + B22F 9/026**

Citation (search report)
See references of WO 02079532A2

Cited by
CN102601378A; EP2860274A2; US10538829B2; EP2857124A1; US9475945B2; US9796633B2

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