

Title (en)  
POWDERED GRIT MADE OF A FUSED CERMET

Title (de)  
PULVERISIERTER KIES AUS GESCHMOLZENEM CERMET

Title (fr)  
POUDRE DE GRAINS DE CERMET FONDU

Publication  
**EP 2617091 A1 20130724 (FR)**

Application  
**EP 11764870 A 20110914**

Priority  
• FR 1057339 A 20100914  
• IB 2011054010 W 20110914

Abstract (en)  
[origin: WO2012035497A1] Powdered grit comprising a fused cermet of zirconium oxide (ZrO<sub>2</sub>) doped with a dopant chosen from yttrium, scandium, and a mixture of scandium and of aluminium and/or of cerium, and of nickel (Ni) and/or of cobalt (Co), said cermet having a eutectic structure, the contents, in mol%, of zirconium oxide, nickel and cobalt being such that  $0.250\text{Ni} + 0.176\text{Co} = (\text{ZrO}_2 + \text{dopant}) = 0.428\text{Ni} + 0.333\text{Co}$ , and said powdered grit having a median diameter D<sub>50</sub> of between 0.3 µm and 100 µm.

IPC 8 full level  
**C22C 1/04** (2006.01); **C22C 1/05** (2006.01); **C22C 29/12** (2006.01); **H01M 4/90** (2006.01); **H01M 8/12** (2006.01)

CPC (source: EP KR US)  
**B02C 19/00** (2013.01 - US); **C04B 35/482** (2013.01 - EP US); **C22C 1/0433** (2013.01 - EP US); **C22C 1/051** (2013.01 - EP US); **C22C 29/12** (2013.01 - EP US); **H01M 4/9025** (2013.01 - US); **H01M 4/9066** (2013.01 - EP US); **H01M 8/02** (2013.01 - KR); **H01M 8/12** (2013.01 - KR); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3225** (2013.01 - EP US); **C04B 2235/3229** (2013.01 - EP US); **C04B 2235/3231** (2013.01 - EP US); **C04B 2235/3244** (2013.01 - EP US); **C04B 2235/3246** (2013.01 - EP US); **C04B 2235/3275** (2013.01 - EP US); **C04B 2235/3279** (2013.01 - EP US); **H01M 2008/1293** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP)

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See references of WO 2012035497A1

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