

Title (en)
SINTERED MATERIAL, SINTERABLE POWDER MIXTURE, METHOD FOR PRODUCING SAID MATERIAL AND USE THEREOF

Title (de)
GESINTERTER WERKSTOFF, SINTERFÄHIGE PULVERMISCHUNG, VERFAHREN ZUR HERSTELLUNG DES WERKSTOFFS UND DESSEN VERWENDUNG

Title (fr)
MATÉRIAU FRITTÉ, MÉLANGE PULVÉRULENT FRITTABLE, PROCÉDÉS DE PRODUCTION DUDIT MATÉRIAU ET SON UTILISATION

Publication
EP 1999070 A1 20081210 (DE)

Application
EP 07723198 A 20070312

Priority
• EP 2007002159 W 20070312
• DE 102006013729 A 20060324

Abstract (en)
[origin: DE102006013729A1] Sintered material based on transition metal borides containing as the main phase:(a) finely divided transition metal diboride,transition metal diboride mixed crystals from at least two transition metal borides, where the transition metal is selected from groups IV to VI subgroups, (b) 1-5 wt.% of borocarbide and or Si carbide particles as the second phase and (c) a third phase comprising a nonpermeable oxygen containing boundary particle phase. Independent claims are included for: (1) a powdered sinterable mixture for production of the sintered material (2) a method of producing the material.

IPC 8 full level
C04B 35/626 (2006.01); **C01B 35/04** (2006.01); **C04B 35/58** (2006.01); **C04B 35/64** (2006.01); **C04B 35/645** (2006.01); **G01K 1/10** (2006.01)

CPC (source: EP US)
C04B 35/58064 (2013.01 - EP US); **C04B 35/58071** (2013.01 - EP US); **C04B 35/58078** (2013.01 - EP US); **C04B 35/62655** (2013.01 - EP US); **C04B 35/62695** (2013.01 - EP US); **C04B 35/645** (2013.01 - EP US); **C04B 35/6455** (2013.01 - EP US); **C25C 3/08** (2013.01 - EP US); **G01K 1/105** (2013.01 - EP US); **C04B 2235/3217** (2013.01 - EP US); **C04B 2235/3813** (2013.01 - EP US); **C04B 2235/3821** (2013.01 - EP US); **C04B 2235/3826** (2013.01 - EP US); **C04B 2235/3847** (2013.01 - EP US); **C04B 2235/3895** (2013.01 - EP US); **C04B 2235/402** (2013.01 - EP US); **C04B 2235/421** (2013.01 - EP US); **C04B 2235/422** (2013.01 - EP US); **C04B 2235/428** (2013.01 - EP US); **C04B 2235/5436** (2013.01 - EP US); **C04B 2235/5445** (2013.01 - EP US); **C04B 2235/6025** (2013.01 - EP US); **C04B 2235/6027** (2013.01 - EP US); **C04B 2235/6562** (2013.01 - EP US); **C04B 2235/6581** (2013.01 - EP US); **C04B 2235/666** (2013.01 - EP US); **C04B 2235/668** (2013.01 - EP US); **C04B 2235/77** (2013.01 - EP US); **C04B 2235/786** (2013.01 - EP US); **C04B 2235/80** (2013.01 - EP US); **C04B 2235/85** (2013.01 - EP US); **C04B 2235/94** (2013.01 - EP US); **C04B 2235/95** (2013.01 - EP US); **C04B 2235/9669** (2013.01 - EP US); **C04B 2235/9676** (2013.01 - EP US)

Citation (search report)
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