

Title (en)

COMPOSITE METAL, CEMENTED CARBIDE BIT CONSTRUCTION

Title (de)

VERBUNDMETALL, SINTERKARBIDBOHRERKONSTRUKTION

Title (fr)

CONSTRUCTION DE FORET DE MÉTAL COMPOSITE ET CARBURE CÉMENTÉ

Publication

EP 2307659 A4 20130807 (EN)

Application

EP 09763484 A 20090610

Priority

- US 2009046810 W 20090610
- US 13645608 A 20080610

Abstract (en)

[origin: US2009301788A1] A manufacturing method and drill bit having either a preformed steel powder blank or machined steel core and abrasion and erosion resistant material components attached thereon.

IPC 8 full level

E21B 10/46 (2006.01); **B22F 3/14** (2006.01); **C22C 1/05** (2006.01); **C22C 29/00** (2006.01); **C22C 29/10** (2006.01); **E21B 10/54** (2006.01)

CPC (source: EP US)

B22F 7/062 (2013.01 - EP US); **B22F 7/08** (2013.01 - EP US); **C22C 1/051** (2013.01 - EP US); **C22C 26/00** (2013.01 - EP US); **C22C 29/06** (2013.01 - EP US); **C22C 29/10** (2013.01 - EP US); **C22C 29/14** (2013.01 - EP US); **C22C 29/16** (2013.01 - EP US); **E21B 10/55** (2013.01 - EP US); **B22F 3/15** (2013.01 - EP US); **B22F 3/172** (2013.01 - EP US); **B22F 2005/002** (2013.01 - EP US); **C22C 2204/00** (2013.01 - EP US)

Citation (search report)

- [X] US 2007251732 A1 20071101 - MIRCHANDANI PRAKASH K [US], et al
- [X] WO 0161142 A1 20010823 - KENNAMETAL INC [US], et al
- [A] US 2007102199 A1 20070510 - SMITH REDD H [US], et al
- See references of WO 2009152194A2

Designated contracting state (EPC)

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