Title (en)

BONDED ABRASIVE ARTICLES, METHOD OF FORMING SUCH ARTICLES, AND GRINDING PERFORMANCE OF SUCH ARTICLES

Title (de)

GEBUNDENE SCHLEIFARTIKEL, VERFAHREN ZUR HERSTELLUNG SOLCHER ARTIKEL UND SCHLEIFLEISTUNG SOLCHER ARTIKEL

Title (fr)

ARTICLES ABRASIFS AGGLOMÉRÉS, PROCÉDÉ DE FAÇONNAGE DE TELS ARTICLES, ET EFFICACITÉ DE MEULAGE DE TELS ARTICLES

Publication

EP 2611574 A2 20130710 (EN)

Application

EP 11822752 A 20110902

Priority

- US 37992310 P 20100903
- US 2011050412 W 20110902

Abstract (en)

[origin: WO2012031251A2] An abrasive tool having a bonded abrasive body including abrasive grains contained within a bond material comprising a metal. During a grinding operation, the bonded abrasive body has a power variance [(Po - Pn)/Po] x 100% of not greater than about 40%, wherein Po represents the grinding power to grind a workpiece with the bonded abrasive body at an initial grinding cycle and Pn represents the grinding power to grind the workpiece for a nth grinding cycle, wherein n>4.

IPC 8 full level

B24D 3/02 (2006.01); **B24B 1/00** (2006.01); **B24D 3/34** (2006.01); **C01B 32/949** (2017.01); **C09C 1/68** (2006.01); **C09K 3/14** (2006.01)

CPC (source: EP KR US)

B24B 1/00 (2013.01 - KR); **B24D 3/02** (2013.01 - KR US); **B24D 3/06** (2013.01 - EP); **B24D 3/14** (2013.01 - EP); **B24D 3/34** (2013.01 - KR US); **C09K 3/14** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012031251 A2 20120308; **WO 2012031251 A3 20120531**; AR 083734 A1 20130320; CA 2809450 A1 20120308; CN 103079765 A 20130501; EP 2611574 A2 20130710; EP 2611574 A4 20180314; JP 2013536765 A 20130926; KR 20130062998 A 20130613; TW 201223699 A 20120616; US 2012066982 A1 20120322

DOCDB simple family (application)

US 2011050412 W 20110902; AR P110103211 A 20110902; CA 2809450 A 20110902; CN 201180042442 A 20110902; EP 11822752 A 20110902; JP 2013527353 A 20110902; KR 20137007295 A 20110902; TW 100131579 A 20110901; US 201113225130 A 20110902