

Title (en)
SMALL DIAMETER CUTTING TOOL

Title (de)
SCHNEIDWERKZEUG MIT KLEINEM DURCHMESSER

Title (fr)
OUTIL DE COUPE DE PETIT DIAMÈTRE

Publication
EP 2858788 A4 20160518 (EN)

Application
EP 13800832 A 20130606

Priority
• US 201261656444 P 20120606
• US 2013044439 W 20130606

Abstract (en)
[origin: WO2013184873A1] An abrasive cutting tool has a body in the shape of a small diameter disk. The body has an outer diameter of not greater than about 100 centimeters, and an aspect ratio defined as a ratio of the outer diameter to an axial thickness of the body of at least about 10:1. The tool includes an abrasive portion having a bond material comprising abrasive particles and a resin having a normalized heat soak modulus of at least about 1.05.

IPC 8 full level
B24D 5/12 (2006.01); **B24D 3/28** (2006.01); **B24D 5/04** (2006.01); **B26D 1/143** (2006.01)

CPC (source: CN EP US)
B24D 3/28 (2013.01 - CN EP US); **B24D 5/04** (2013.01 - CN EP US); **B24D 5/12** (2013.01 - US)

Citation (search report)
• [XY] US 2011041413 A1 20110224 - FRANCOIS EMMANUEL C [US], et al
• [XY] JP 2003191170 A 20030708 - FUJI GRINDING WHEEL CO LTD
• [Y] US 2011155593 A1 20110630 - ZHANG HAN [US], et al
• [Y] US 2010011672 A1 20100121 - KINCAID DON H [US], et al
• [Y] US 5061295 A 19911029 - HICKORY GORDON E [US], et al
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• [Y] EP 1855841 A1 20071121 - SAINT GOBAIN ABRASIVES INC [US]
• [Y] US 2012100784 A1 20120426 - KLETT MICHAEL W [US], et al
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• See references of WO 2013184873A1

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 2013184873 A1 20131212; AR 091282 A1 20150121; BR 112014029932 A2 20170627; CN 104364053 A 20150218; CN 104364053 B 20171013; EP 2858788 A1 20150415; EP 2858788 A4 20160518; JP 2015522434 A 20150806; JP 5947981 B2 20160706; MX 2014014573 A 20150303; RU 2014152694 A 20160720; TW 201350259 A 20131216; TW I541098 B 20160711; US 2013337729 A1 20131219

DOCDB simple family (application)
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