

Title (en)
ABRASIVE ARTICLE AND METHOD FOR FORMING SAME

Title (de)
SCHLEIFARTIKEL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
ARTICLE ABRASIF ET SON PROCÉDÉ DE FORMATION

Publication
EP 3600769 A1 20200205 (EN)

Application
EP 18776324 A 20180329

Priority
• US 201762478253 P 20170329
• US 201762525261 P 20170627
• US 2018025236 W 20180329

Abstract (en)
[origin: US2018281153A1] The present disclosure relates to an abrasive article including a body having a bond material including metal and a micro-porosity within the bond material with an average pore size (D50) of not greater than 10 microns and a pore size standard deviation of at least 0.2 microns, and the body further includes abrasive particles contained within the bond material and having an ellipticity of not greater than 1.18 or an average toughness of at least 11257 cycles.

IPC 8 full level
B24D 3/10 (2006.01); **B24D 18/00** (2006.01); **C09K 3/14** (2006.01)

CPC (source: EP KR US)
B24D 3/10 (2013.01 - EP KR US); **B24D 5/063** (2013.01 - US); **B24D 5/14** (2013.01 - EP US); **B24D 18/00** (2013.01 - US);
B24D 18/0009 (2013.01 - EP US); **B24D 18/0072** (2013.01 - KR); **C09K 3/1409** (2013.01 - KR); **C09K 3/1436** (2013.01 - KR)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2018281153 A1 20181004; BR 112019020399 A2 20200422; CN 110799306 A 20200214; EP 3600769 A1 20200205;
EP 3600769 A4 20210630; KR 20200006044 A 20200117; WO 2018183736 A1 20181004

DOCDB simple family (application)
US 201815940546 A 20180329; BR 112019020399 A 20180329; CN 201880022620 A 20180329; EP 18776324 A 20180329;
KR 20197031413 A 20180329; US 2018025236 W 20180329