

Title (en)

Abrasive element with precisely shaped features, abrasive article fabricated therefrom and method of making thereof

Title (de)

Schleifelement mit formgenauen Merkmalen, daraus hergestellte Schleifartikel und Herstellungsverfahren dafür

Title (fr)

Élément abrasif présentant des caractéristiques de forme précises, article abrasif fabriqué à partir de celui-ci et son procédé de fabrication

Publication

**EP 2879836 B1 20191113 (EN)**

Application

**EP 13826255 A 20130731**

Priority

- US 201261678665 P 20120802
- US 2013052828 W 20130731

Abstract (en)

[origin: WO2014022462A1] An abrasive element includes a first major surface and a second major surface. At least the first major surface includes a plurality of precisely shaped features. The abrasive element includes at least about 99% of carbide ceramic by weight and has a porosity of less than about 5%.

IPC 8 full level

**B24D 3/14** (2006.01); **B24D 3/10** (2006.01); **C09C 1/68** (2006.01); **C09K 3/14** (2006.01)

CPC (source: CN EP KR US)

**B24B 53/017** (2013.01 - CN EP KR US); **B24D 3/18** (2013.01 - CN EP KR US); **B24D 18/00** (2013.01 - CN EP US);  
**B24D 18/0009** (2013.01 - EP KR US)

Citation (examination)

DE 4243864 A1 19930701 - SCHUNK INGENIEURKERAMIK GMBH [DE]

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 2014022462 A1 20140206**; CN 104684686 A 20150603; CN 115625629 A 20230120; EP 2879836 A1 20150610; EP 2879836 A4 20160525;  
EP 2879836 B1 20191113; JP 2015530265 A 20151015; JP 2019063989 A 20190425; KR 20150039795 A 20150413;  
SG 11201500713P A 20150227; TW 201410391 A 20140316; TW I660816 B 20190601; US 2015224625 A1 20150813

DOCDB simple family (application)

**US 2013052828 W 20130731**; CN 201380040394 A 20130731; CN 202211322368 A 20130731; EP 13826255 A 20130731;  
JP 2015525532 A 20130731; JP 2018211596 A 20181109; KR 20157004858 A 20130731; SG 11201500713P A 20130731;  
TW 102127669 A 20130801; US 201314418453 A 20130731