

Title (en)

COMPOSITE BODIES AND METHODS OF FORMING THE SAME

Title (de)

VERBUNDKÖRPER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CORPS COMPOSITES ET LEURS PROCÉDÉS DE FORMATION

Publication

**EP 3089850 B1 20211208 (EN)**

Application

**EP 14875911 A 20141217**

Priority

- US 201361922036 P 20131230
- US 2014070955 W 20141217

Abstract (en)

[origin: US2015183087A1] A composite body is provided that can include abrasive grains and at least one pore within a bond matrix, the abrasive grains including cubic boron nitride (cBN) and the bond matrix including a polycrystalline ceramic phase. The bonded abrasive may have a Modulus of Rupture (MOR) of not less than about 40 MPa. Certain embodiments may have porosity, such as, greater than about 5.0 vol %.

IPC 8 full level

**B24D 3/00** (2006.01); **B24D 3/18** (2006.01)

CPC (source: EP US)

**B24D 3/18** (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)

**US 2015183087 A1 20150702**; CN 106029300 A 20161012; CN 106029300 B 20190628; EP 3089850 A1 20161109; EP 3089850 A4 20170913; EP 3089850 B1 20211208; PL 3089850 T3 20220321; TW 201525089 A 20150701; TW I513781 B 20151221; WO 2015102914 A1 20150709

DOCDB simple family (application)

**US 201414574097 A 20141217**; CN 201480076061 A 20141217; EP 14875911 A 20141217; PL 14875911 T 20141217; TW 103144574 A 20141219; US 2014070955 W 20141217