

Title (en)

DIAMOND UNIT CELL AND DIAMOND MASS BY COMBINATORIAL SYNTHESIS

Title (de)

DIAMANTEINHEITSZELLE UND DIAMANTMASSE DURCH KOMBINATORISCHE SYNTHESE

Title (fr)

CELLULE D'UNITÉ DE DIAMANT ET MASSE DE DIAMANT OBTENUS PAR SYNTHÈSE COMBINATOIRE

Publication

**EP 3148687 A4 20180117 (EN)**

Application

**EP 15799064 A 20150515**

Priority

- US 201414120508 A 20140528
- US 2015030963 W 20150515

Abstract (en)

[origin: WO2015183589A1] Diamond unit cell produced by a combinatorial synthesis from a tetrahedranoidal compound and a carbon atom, and diamond mass produced therefrom, are described. Diamond mass produced is spectroscopically-free of graphitic impurities, and free of observable defects.

IPC 8 full level

**B01J 3/06** (2006.01); **C01B 32/25** (2017.01); **C30B 25/00** (2006.01); **C30B 29/04** (2006.01); **C30B 30/00** (2006.01)

CPC (source: EP RU US)

**B01J 3/062** (2013.01 - EP); **C01B 32/25** (2017.07 - EP RU US); **C01B 32/26** (2017.07 - EP US); **C30B 25/00** (2013.01 - EP); **C30B 29/04** (2013.01 - EP US); **C30B 30/00** (2013.01 - EP); **B01J 2203/0625** (2013.01 - EP); **B01J 2203/0655** (2013.01 - EP)

Citation (search report)

- [XP] US 2014286851 A1 20140925 - HODES DANIEL [US]
- [XD] US 2012040868 A1 20120216 - HODES DANIEL [US]
- [X] EP 1637218 A2 20060322 - DIAMOND INNOVATIONS INC [US]
- See references of WO 2015183589A1

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 2015183589 A1 20151203**; CA 2953990 A1 20151203; CA 2953990 C 20190305; CN 106573212 A 20170419; CN 106573212 B 20201027; EP 3148687 A1 20170405; EP 3148687 A4 20180117; JP 2017523120 A 20170817; JP 6484332 B2 20190313; MX 2016015566 A 20170704; MX 361946 B 20181219; RU 2016151165 A 20180702; RU 2016151165 A3 20181206; RU 2702574 C2 20191008

DOCDB simple family (application)

**US 2015030963 W 20150515**; CA 2953990 A 20150515; CN 201580028137 A 20150515; EP 15799064 A 20150515; JP 2017515678 A 20150515; MX 2016015566 A 20150515; RU 2016151165 A 20150515