

Title (en)

PROCESS FOR THE PREPARATION OF SUBMICRON-SIZED BORON CARBIDE POWDERS.

Title (de)

HERSTELLUNGSVERFAHREN FÜR SUBMIKRONE BORONKARBIDPULVER.

Title (fr)

PROCEDE DE PREPARATION DE POUDRES DE CARBURE DE BORE DE TAILLE INFERIEURE AU MICRON.

Publication

EP 0211948 A4 19880121 (EN)

Application

EP 86901635 A 19860212

Priority

US 70084185 A 19850212

Abstract (en)

[origin: WO8604524A1] Ultrafine, high purity B₄C is produced by BCl₃, CH₄ or C₂H₄, and H₂, using a CO₂ laser (10), where a stoichiometric excess of H₂ and about half the stoichiometric amount of CH₄ or C₂H₄ is employed.

IPC 1-7

B01J 19/12; **C01B 31/36**

IPC 8 full level

B01J 19/12 (2006.01); **C01B 31/36** (2006.01); **C04B 35/563** (2006.01)

CPC (source: EP KR US)

B01J 19/12 (2013.01 - KR); **B01J 19/121** (2013.01 - EP); **B82Y 30/00** (2013.01 - EP); **C01B 32/991** (2017.07 - EP US); **C04B 35/563** (2013.01 - EP US); **C04B 35/645** (2013.01 - EP); **C01P 2002/72** (2013.01 - EP); **C01P 2004/62** (2013.01 - EP); **C01P 2004/64** (2013.01 - EP); **C01P 2006/10** (2013.01 - EP); **C01P 2006/12** (2013.01 - EP); **C01P 2006/60** (2013.01 - EP); **C01P 2006/90** (2013.01 - EP)

Citation (search report)

- [A] FR 2232613 A1 19750103 - POUDRES & EXPLOSIFS STE NALE [FR]
- [AD] CERAMIC ENGINEERING AND SCIENCE PROCEEDINGS, vol. 3, no. 1/2, 1982, pages 3-19, Columbus, Ohio, US; R.A. MARRA et al.: "Synthesis and characteristics of ceramic powders made from laser-heated gases"
- See references of WO 8604524A1

Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

WO 8604524 A1 19860814; EP 0211948 A1 19870304; EP 0211948 A4 19880121; JP S62501838 A 19870723; KR 870700028 A 19870228

DOCDB simple family (application)

US 8600322 W 19860212; EP 86901635 A 19860212; JP 50133986 A 19860212; KR 860700706 A 19861011