

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 B<sub>4</sub>C is produced by BCl<sub>3</sub>, CH<sub>4</sub> or C<sub>2</sub>H<sub>4</sub>, and H<sub>2</sub>, using a CO<sub>2</sub> laser (10), where a stoichiometric excess of H<sub>2</sub> and about half the stoichiometric amount of CH<sub>4</sub> or C<sub>2</sub>H<sub>4</sub> 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)

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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

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