

Title (en)

Making silicon carbide and silicon carbide so made.

Title (de)

Herstellung von Siliciumcarbid und auf diese Weise hergestelltes Siliciumcarbid.

Title (fr)

Préparation de carbure de silicium et carbure de silicium ainsi préparé.

Publication

EP 0000661 A1 19790207 (EN)

Application

EP 78300197 A 19780725

Priority

GB 3158377 A 19770727

Abstract (en)

beta -Silicon carbide and a process for making it by heating together silica and a carbonaceous material at 1350 DEG C to 1550 DEG C. By 1350 DEG C the partial pressure of carbon monoxide must not exceed 0,11 atmospheres and by 1550 DEG C it must be lower than 1,15 atmospheres. The carbonaceous material must be of high reactivity such as coal, rice husks, coconut charcoal and not pure graphite.

IPC 1-7

C01B 31/36

IPC 8 full level

C01B 31/36 (2006.01)

CPC (source: EP US)

C01B 32/97 (2017.07 - EP US)

Citation (search report)

- [X] AT 260170 B 19680212 - DU PONT [US]
- DE 1567593 A1 19691009 - IONICS
- GB 1105882 A 19680313 - CORNING GLASS WORKS
- [A] SU 138238 A1 19601130
- US 3754076 A 19730821 - CUTLER I
- DE 2052507 A1 19720510 - SUED CHEMIE AG

Cited by

US5190737A; US4283375A; EP0543751A1; AU651256B2; US5340417A; WO2023060294A1

Designated contracting state (EPC)

BE CH DE FR GB NL SE

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