Title (en)

SILICON CARBIDE FOAM WITH HIGH SPECIFIC SURFACE AREA AND IMPROVED MECHANICAL PROPERTIES

Title (de)

SILIZIUMKARBIDSCHAUM MIT HOHER SPEZIFISCHER OBERFLÄCHE UND VERBESSERTE MECHANISCHE EIGENSCHAFTEN

Title (fr)

MOUSSE DE CARBURE DE SILICIUM A SURFACE SPECIFIQUE ELEVEE ET A CARACTERISTIQUES MECANIQUES AMELIOREES

Publication

EP 1007207 A1 20000614 (FR)

Application

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Priority

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- FR 9709743 A 19970725

Abstract (en)

[origin: FR2766389A1] The invention concerns a silicon carbide foam for use as a catalyst support, with high specific surface area of at least 5 m<2>/g and improved mechanical properties, in particular compressive strength more than 0.2 MPa's; it is obtained by impregnating an organic foam with a silicon suspension in a resin to which a hardening agent has been added, incomplete cross-linking of the resin, carbonising the organic foam and the resin and carburizing the silicon.

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IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 9904900A1

Cited by

WO2012038621A1; WO2014001697A1

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BE DE DK ES FI FR GB IT NL SE

DOCDB simple family (publication)

FR 2766389 A1 19990129; **FR 2766389 B1 19990903**; AU 735809 B2 20010719; AU 8812998 A 19990216; CA 2297766 A1 19990204; CA 2297766 C 20090120; EP 1007207 A1 20000614; JP 2001510729 A 20010807; JP 2010155241 A 20100715; JP 4647778 B2 20110309; KR 100518063 B1 20050928; KR 20010021804 A 20010315; US 6251819 B1 20010626; WO 9904900 A1 19990204

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