

Title (en)
SILICON-CARBON COMPOSITES

Title (de)
SILICIUM-KOHLENSTOFF-VERBUNDWERKSTOFFE

Title (fr)
COMPOSITES SILICIUM-CARBONE

Publication
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Application
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Abstract (en)
[origin: WO2022040328A1] Silicon carbon composite materials and related processes are disclosed that overcome the challenges for providing amorphous nano sized silicon entrained within porous carbon. Compared to other, inferior materials and processes described in the prior art, the materials and processes disclosed herein find superior utility in various applications, including energy storage devices such as lithium ion batteries.

IPC 8 full level
C01B 32/00 (2017.01); **C01B 33/035** (2006.01); **H01M 4/134** (2010.01); **H01M 4/1395** (2010.01); **H01M 4/38** (2006.01); **H01M 4/62** (2006.01)

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