

Title (en)  
SILICON CARBON COMPOSITE PARTICLES

Title (de)  
SILICIUM-KOHLENSTOFF-KOMPOSITPARTIKEL

Title (fr)  
PARTICULES COMPOSITES DE SILICIUM-CARBONE

Publication  
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Application  
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Abstract (en)  
[origin: WO2022218550A1] The invention relates to silicon-carbon composite particles having a) an alkali or alkaline earth metal concentration of 0.05 to 10 wt. % and b) a pH > 7.5; to a method for their preparation by silicon infiltration from silicon precursors in the presence of porous carbon particles; anode material for a lithium-ion battery containing said silicon-carbon composite particles; an anode comprising a current conductor coated with said anode material; and a lithium-ion battery comprising at least one anode which contains said silicon-carbon composite particles.

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