

Title (en)

PARTICULATE POROUS CARBON MATERIAL AND USE THEREOF IN LITHIUM CELLS

Title (de)

TEILCHENFÖRMIGES PORÖSES KOHLENSTOFFMATERIAL UND DESSEN VERWENDUNG IN LITHIUMZELLEN

Title (fr)

MATÉRIAU DE CARBONE POREUX PARTICULAIRE ET UTILISATION DE CELUI-CI DANS DES PILES AU LITHIUM

Publication

EP 2691338 A1 20140205 (EN)

Application

EP 12764268 A 20120330

Priority

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Abstract (en)

[origin: WO2012131628A1] Provided is a particulate porous carbon material comprising a carbon phase and at least one pore phase arranged in the carbon phase, the carbon phase of the particles forming, with the pore phase, essentially co-continuous, irregular phase domains, the distance between adjacent domains of the pore phase being essentially not more than 50nm. Also provided are a process for producing such carbon material, a composite material comprising elemental sulfur and such carbon material, and the use of such materials in lithium cells, especially lithium- sulfur cells.

IPC 8 full level

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CPC (source: EP KR)

C01B 32/225 (2017.07 - EP KR); **H01M 4/133** (2013.01 - EP KR); **H01M 4/1393** (2013.01 - EP KR); **H01M 4/587** (2013.01 - EP KR); **H01M 4/625** (2013.01 - EP KR); **H01M 10/052** (2013.01 - EP KR); **H01M 10/39** (2013.01 - EP KR); **C01P 2004/60** (2013.01 - KR); **C01P 2006/12** (2013.01 - KR); **C01P 2006/16** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP)

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