

Title (en)
GRAPHENE SYNTHESIS METHOD BY MICROFLUIDIZATION

Title (de)
GRAPHEN-SYNTHESEVERFAHREN DURCH MIKROFLUIDISIERUNG

Title (fr)
PROCÉDÉ DE SYNTHÈSE DE GRAPHÈNE PAR MICROFLUIDISATION

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Application
EP 19851994 A 20190627

Priority

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Abstract (en)
[origin: WO2020040713A2] The present invention relates to a graphene synthesis method by microfluidization for being used in high energy capacity electrode and/or electrolyte materials in the field of electrochemical energy storage. The method comprises the steps of purchasing expandable graphite of 30 µm thickness and 300 µm diameter, sieving by a sieve with 63 µm mesh size, weighing 1 g of expandable graphite, dispersing it in 400 mL 2-propanol to prepare a suspension, conducting ultrasonic ation for 1 hour at 20 kHz frequency and 40% amplitude, pouring the suspension into the microfluidizer, and performing 4 cycles.

IPC 8 full level
H01M 4/04 (2006.01); **C01B 32/19** (2017.01); **H01G 11/36** (2013.01); **H01G 11/86** (2013.01); **H01M 4/02** (2006.01); **H01M 4/583** (2010.01)

CPC (source: EP)
C01B 32/19 (2017.07); **H01G 11/36** (2013.01); **H01G 11/86** (2013.01); **H01M 4/625** (2013.01); **H01M 10/0525** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)

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CN115084489A

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