

Title (en)
NANOSTRUCTURED ELECTRODE FOR A MICRO-BATTERY

Title (de)
NANOSTRUKTURIERTE ELEKTRODE FÜR EINE MIKROBATTERIE

Title (fr)
ELECTRODE NANOSTRUCTUREE POUR MICROBATTERIE

Publication
EP 1854163 A1 20071114 (FR)

Application
EP 05850639 A 20051222

Priority
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• FR 0453182 A 20041223

Abstract (en)
[origin: FR2880198A1] Device (10) for the storage of energy incorporates at least one first electrode (20), a second electrode (16) a solid electrolyte (18). The electrolyte is localised between the two electrodes. The first electrode is made up of a plurality of electrode elements (24) defining some spaces (26) between them. An independent claim is also included for the utilisation of a component made up of nanofibres or nanotubes on a substrate in the fabrication of an electrode for a lithium battery.

IPC 8 full level
H01M 4/04 (2006.01); **H01M 4/133** (2010.01); **H01M 4/134** (2010.01); **H01M 4/1393** (2010.01); **H01M 4/1395** (2010.01); **H01M 4/58** (2010.01); **H01M 4/587** (2010.01); **H01M 10/0525** (2010.01); **H01M 10/0562** (2010.01); **H01M 10/0585** (2010.01); **H01M 10/36** (2010.01)

CPC (source: EP US)
B82Y 30/00 (2013.01 - EP US); **H01M 4/0423** (2013.01 - EP US); **H01M 4/0428** (2013.01 - EP US); **H01M 4/133** (2013.01 - EP US); **H01M 4/134** (2013.01 - EP US); **H01M 4/1393** (2013.01 - EP US); **H01M 4/1395** (2013.01 - EP US); **H01M 4/587** (2013.01 - EP US); **H01M 6/40** (2013.01 - EP US); **H01M 10/0525** (2013.01 - EP US); **H01M 10/0562** (2013.01 - EP US); **H01M 10/0585** (2013.01 - EP US); **H01M 2300/0068** (2013.01 - EP US); **H01M 2300/0094** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)
See references of WO 2006070158A1

Designated contracting state (EPC)
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FR 2880198 A1 20060630; **FR 2880198 B1 20070706**; EP 1854163 A1 20071114; JP 2008525954 A 20080717; JP 2013168372 A 20130829; US 2008044732 A1 20080221; US 7829225 B2 20101109; WO 2006070158 A1 20060706

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