

Title (en)

COMPOSITE MATERIALS, PRODUCTION THEREOF AND USE THEREOF IN ELECTRICAL CELLS

Title (de)

VERBUNDMATERIALIEN, IHRE HERSTELLUNG UND IHRE VERWENDUNG IN STROMZELLEN

Title (fr)

MATÉRIAUX COMPOSITES, LEUR FABRICATION ET LEUR UTILISATION DANS DES PILES VOLTAÏQUES

Publication

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Application

EP 11786222 A 20110530

Priority

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- IB 2011052353 W 20110530
- EP 11786222 A 20110530

Abstract (en)

[origin: WO2011148357A1] Composite materials, production thereof and use thereof in electrical cells A composite material comprising a reaction product of (A) at least one organic polymer, (B) sulfur and (C) carbon in a polymorph which comprises at least 60% sp²-hybridized carbon atoms, and additionally particles or domains which comprise carbon (C) filled with sulfur (B).

IPC 8 full level

C08K 11/00 (2006.01); **C08K 3/04** (2006.01); **C08K 3/06** (2006.01); **C08K 9/02** (2006.01); **H01M 4/136** (2010.01); **H01M 4/36** (2006.01); **H01M 4/58** (2010.01); **H01M 4/60** (2006.01); **H01M 4/62** (2006.01); **H01M 10/052** (2010.01)

CPC (source: EP KR)

C08K 3/04 (2013.01 - EP KR); **C08K 3/06** (2013.01 - EP KR); **C08K 9/02** (2013.01 - EP KR); **C08L 33/20** (2013.01 - KR); **H01M 4/136** (2013.01 - EP); **H01M 4/362** (2013.01 - EP); **H01M 4/5815** (2013.01 - EP); **H01M 4/604** (2013.01 - EP); **H01M 4/608** (2013.01 - EP); **H01M 4/625** (2013.01 - EP); **H01M 10/052** (2013.01 - EP); **H01M 10/0525** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

- [X] WO 2010044437 A1 20100422 - NAT INST OF ADVANCED IND SCIEN [JP], et al & EP 2337126 A1 20110622 - NAT INST OF ADVANCED IND SCIEN [JP], et al
- [X] CN 101577323 A 20091111 - UNIV SHANGHAI JIAOTONG [CN]
- [X] US 2004009399 A1 20040115 - KIM SEOK [KR], et al
- See references of WO 2011148357A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)

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