

Title (en)

COMPOSITE, ITS PRODUCTION AND ITS USE IN SEPARATORS FOR ELECTROCHEMICAL CELLS

Title (de)

KOMPOSITMATERIAL, DESSEN HERSTELLUNG UND DESSEN VERWENDUNG IN SEPARATOREN FÜR ELEKTROCHEMISCHE ZELLEN

Title (fr)

MATÉRIAU COMPOSITE, SA PRODUCTION ET SON UTILISATION DANS DES SÉPARATEURS POUR CELLULES ÉLECTROCHIMIQUES

Publication

**EP 2807209 A4 20150902 (DE)**

Application

**EP 12866500 A 20121214**

Priority

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Abstract (en)

[origin: WO2013110985A1] A composite which comprises at least one base body composed of nonwoven as component (A), at least one nanocomposite as component (B), at least one polyether or at least one polyether-comprising radical as component (C) and optionally a lithium salt as component (D) is provided. A process for producing the composite, its use in separators for electrochemical cells and compounds which can be used for producing nanocomposites (B) are also provided.

IPC 8 full level

**C08J 5/18** (2006.01); **B32B 5/02** (2006.01); **B32B 27/18** (2006.01); **B32B 27/28** (2006.01); **H01M 10/0525** (2010.01); **H01M 50/414** (2021.01); **H01M 50/417** (2021.01); **H01M 50/423** (2021.01); **H01M 50/449** (2021.01); **H01M 50/489** (2021.01); **H01M 50/491** (2021.01)

CPC (source: EP KR US)

**B32B 5/022** (2013.01 - EP); **B32B 27/18** (2013.01 - EP KR); **B32B 27/28** (2013.01 - KR); **C08J 5/18** (2013.01 - KR); **C08J 5/22** (2013.01 - KR); **C08L 87/00** (2013.01 - EP); **C09D 133/00** (2013.01 - EP); **H01M 10/052** (2013.01 - KR); **H01M 10/0565** (2013.01 - KR); **H01M 50/403** (2021.01 - KR); **H01M 50/414** (2021.01 - EP KR US); **H01M 50/417** (2021.01 - EP US); **H01M 50/423** (2021.01 - EP US); **H01M 50/44** (2021.01 - EP); **H01M 50/446** (2021.01 - EP KR); **H01M 50/449** (2021.01 - EP US); **C08G 83/001** (2013.01 - EP); **H01M 10/0525** (2013.01 - EP); **H01M 50/489** (2021.01 - EP US); **H01M 50/491** (2021.01 - EP US); **H01M 2220/20** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

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- [A] WO 2010112581 A1 20101007 - BASF SE [DE], et al
- [X] SPANGE S ET AL: "Nanostructured organic-inorganic composite materials by twin polymerization of hybrid monomers", ADVANCED MATERIALS, WILEY - V C H VERLAG GMBH & CO. KGAA, DE, vol. 21, 25 May 2009 (2009-05-25), pages 2111 - 2116, XP002595150, ISSN: 0935-9648, [retrieved on 20090304], DOI: 10.1002/ADMA.200802797
- See references of WO 2013110985A1

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DOCDB simple family (application)

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