

Title (en)  
ELECTRODE MATERIALS FOR ELECTRICAL CELLS

Title (de)  
ELEKTRODENMATERIALIEN FÜR ELEKTRISCHE ZELLEN

Title (fr)  
MATÉRIAUX D'ÉLECTRODE POUR CELLULES ÉLECTRIQUES

Publication  
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Application  
**EP 12797243 A 20120606**

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Abstract (en)  
[origin: WO2012168862A1] The present invention relates to electrode materials for electrical cells, comprising, as component (A), at least one polymer comprising polymer chains which are formed from identical or different monomer units selected from the group consisting of substituted and unsubstituted vinyl units and substituted and unsubstituted C2-C10-alkylene glycol units and comprise at least one monomer unit -M1- which comprises at least one thiolate group -S- or at least one end of a disulfide or polysulfide bridge -(S)m- in which m is an integer from 2 to 8, the thiolate group or the one end of the disulfide or polysulfide bridge -(S)m- in each case being bonded directly to a carbon atom of the monomer unit -M1 -, and, as component (B), carbon in a polymorph comprising at least 60% sp<sup>2</sup>-hybridized carbon atoms. The present invention further relates to electrical cells comprising the inventive electrode material, to specific polymers, to processes for preparation thereof and to the use of the inventive cells.

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Citation (search report)  
• [XAI] US 6403255 B1 20020611 - GOFER YOSEF [IL], et al  
• [XA] US 3594355 A 19710720 - VANDENBERG EDWIN J, et al  
• [AD] "Modification of Polymers", vol. 121, 10 June 1980, AMERICAN CHEMICAL SOCIETY, WASHINGTON, D.C., ISBN: 978-0-84-120686-1, article M. OKAWARA ET AL: "Chemical Modification of Polyvinyl Chloride and Related Polymers", pages: 41 - 57, XP055168339, DOI: 10.1021/bk-1980-0121.ch004  
• See references of WO 2012168862A1

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