

Title (en)

COATING MATERIALS BASED ON UNSATURATED ALIPHATIC HYDROCARBONS AND USES THEREOF IN ELECTROCHEMICAL APPLICATIONS

Title (de)

BESCHICHTUNGSMATERIALIEN AUF BASIS UNGESÄTTIGTER ALIPHATISCHER KOHLENWASSERSTOFFE UND VERWENDUNGEN DAVON IN ELEKTROCHEMISCHEN ANWENDUNGEN

Title (fr)

MATÉRIAUX D'ENROBAGE À BASE D'HYDROCARBURES ALIPHATIQUES INSATURÉS ET LEURS UTILISATIONS DANS DES APPLICATIONS ÉLECTROCHIMIQUES

Publication

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Application

**EP 22814657 A 20220603**

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Abstract (en)

[origin: WO2022251968A1] The present technology relates to a coating material comprising at least one branched or linear unsaturated aliphatic hydrocarbon having 10 to 50 carbon atoms and having at least one carbon-carbon double or triple bond for use in electrochemical applications, in particular in electrochemical storage cells such as batteries referred to as all-solid-state batteries. The present technology also relates to coated particles comprising the coating material and methods for manufacturing same. The invention also describes electrode materials, electrodes, electrolytes, coating materials for current collectors and current collectors comprising the coated particles, and the use thereof in electrochemical cells, for example, in electrochemical storage cells, in particular in batteries referred to as all-solid-state batteries.

IPC 8 full level

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