

Title (en)

ELECTRODE PRODUCTION METHOD BY BINDER FIBRILLATION USING A PARTICULATE FIBRILLATION AUXILIARY AGENT

Title (de)

ELEKTRODENHERSTELLUNGSVERFAHREN MITTELS BINDERFIBRILLIERUNG MIT PARTIKULÄREM FIBRILLIERUNGSHILFSMITTEL

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE ÉLECTRODE PAR FIBRILLATION DE LIANT AU MOYEN D'UN AUXILIAIRE DE FIBRILLATION PARTICULAIRE

Publication

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Application

EP 18756377 A 20180730

Priority

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- EP 2018070539 W 20180730

Abstract (en)

[origin: WO2019025337A1] The invention relates to a method for producing an electrode (E) for an electrochemical cell, in particular for a lithium cell. In order to produce a homogeneous mixture allowing the time-saving, cost-effective production, for example by dry coating, of an electrode (E) with improved properties and/or with a layer thickness significantly greater than 100 µm, for example for vehicle batteries, in particular for electric and/or hybrid vehicles, in said method at least one binder (B) and at least one particulate fibrillation auxiliary agent (F) are mixed in a mixing process with a high shear load, the at least one binder (B) being fibrillated (fB), and at least one electrode component (E1) is then added to the at least one fibrillated binder (B) in a mixing process with a low shear load. The invention also relates to an electrode (E) produced in this manner and to an electrochemical cell equipped with an electrode (E) of this type.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2019025337A1

Designated contracting state (EPC)

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