

Title (en)

METHOD FOR EXTRACTING LITHIUM FROM AN ELECTRIC BATTERY COMPRISING SOLID LITHIUM METAL

Title (de)

VERFAHREN ZUR EXTRAKTION VON LITHIUM AUS EINER ELEKTRISCHEN BATTERIE MIT FESTEM LITHIUMMETALL

Title (fr)

PROCEDE D'EXTRACTION DE LITHIUM D'UNE BATTERIE ELECTRIQUE COMPRENANT DU LITHIUM METALLIQUE SOLIDE

Publication

**EP 3921886 A1 20211215 (FR)**

Application

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Abstract (en)

[origin: WO2020161339A1] The invention relates to a method (300) for extracting lithium from an assembly of at least one electric battery cell comprising solid lithium metal, such as a lithium-metal-polymer battery, said method (300) comprising an extraction phase (306) comprising the following steps: - positioning (308) said assembly in an orientation in which a first edge of said assembly from which one or more negative electrodes protrude is located below a second edge of said assembly, opposite said first edge, and from which one or more positive electrodes protrude; and - heating (310) said assembly to a processing temperature higher than or equal to the melting point of solid lithium metal. The invention also relates to an installation implementing such a method.

IPC 8 full level

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Citation (search report)

See references of WO 2020161339A1

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