

Abstract

The invention relates to a method (300) for extracting lithium from a battery comprising at least two cells, each cell comprising a negative electrode (102), a positive electrode (104; 108) and solid or quasi-solid metal lithium (106);

5 said battery having a first edge from which the negative electrodes of said cells protrude and a second edge which is opposite said first edge and from which the positive electrodes protrude;

said method (300) comprising an extraction phase (306), which comprises the following steps:

10 - positioning (308) said battery in an orientation in which one of said first and second edges is below the other one of said first and second edges; and

- heating (310) said battery to a temperature, referred to as a treatment temperature, which is greater than or equal to the melting temperature of
15 said solid metal lithium;

characterized in that it further comprises a step (314) of cutting the electrical connection between the positive electrodes of at least two, and in particular all, of the cells of said battery.

The invention further relates to a plant implementing such a method.

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Fig. 3