

Title (en)
MODEL-BASED ELECTROLYTE FILLING METHOD

Title (de)
MODELLBASIERTES ELEKTROLYT-BEFÜLLVERFAHREN

Title (fr)
PROCÉDÉ DE REMPLISSAGE D'UN ÉLECTROLYTE BASÉ SUR UN MODÈLE

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Application
EP 13720348 A 20130429

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Abstract (en)
[origin: WO2013171057A1] The invention relates to a method for producing an electrochemical cell, such as in particular a secondary battery, a double-layer capacitor, an electrolytic capacitor, or a fuel cell, in which a cell container containing two one-piece or multi-piece electrodes and at least one separator is filled with flowable electrolyte. The aim of the invention is to adapt the electrolyte amount in an electrochemical cell to the actually available free volume as accurately as possible. The aim is achieved in that the amount of electrolyte to be poured in is determined before the electrolyte is poured in at least while taking into account the actual thicknesses and the actual weights of the electrodes located in the cell container and of the separator located in the cell container. The invention further relates to a method for producing a plurality of such electrochemical cells, to an electrochemical cell that was produced according to the method, to a system for producing electrochemical cells, and to the use of said system to perform the methods according to the invention.

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