Title (en)

COMPUTER-SUPPORTED METHOD FOR ANALYZING AN ELECTRODE LAYER OF A BATTERY CELL USING A KI ENGINE, METHOD FOR TRAINING A KI ENGINE, METHOD FOR PRODUCING A BATTERY STORAGE DEVICE, AND PRODUCTION UNIT

Title (de)

COMPUTERGESTÜTZTES VERFAHREN ZUR ANALYSE EINER ELEKTRODENSCHICHT EINER BATTERIEZELLE MITTELS EINER KI-ENGINE, VERFAHREN ZUM TRAINIEREN EINER KI-ENGINE, HERSTELLUNGSVERFAHREN EINES BATTERIESPEICHERS UND HERSTELLUNGSEINHEIT

Title (fr)

PROCÉDÉ ASSISTÉ PAR ORDINATEUR D'ANALYSE D'UNE COUCHE D'ÉLECTRODE D'UNE CELLULE DE BATTERIE À L'AIDE D'UN MOTEUR KI, PROCÉDÉ D'ENTRAÎNEMENT D'UN MOTEUR KI, PROCÉDÉ DE FABRICATION D'UN DISPOSITIF DE STOCKAGE SUR BATTERIE, ET UNITÉ DE FABRICATION

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Abstract (en)

[origin: WO2022179807A1] The invention relates to a computer-supported method for analyzing an electrode paste and/or an electrode layer for a battery cell, said method having multiple steps. First, at least one measuring device is provided for measuring a property of the electrode layer paste and/or the electrode layer during a production method. A property of the electrode layer paste and/or the electrode layer is measured, and measurement data is generated by means of the measuring device. A KI engine is provided. A quality value of the electrode layer paste and/or the electrode layer is ascertained by means of the KI engine. In order to train a KI engine, the electrode layer is introduced into a battery cell after measuring the property, the battery cell is started up, and operating data of the battery cell is ascertained. The operating data is correlated with the property of the electrode layer paste and/or the electrode layer.

IPC 8 full level

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