

Title (en)

METHOD FOR DETERMINING THE STATE OF CHARGE OF AN ELECTROCHEMICAL SOURCE FOR ELECTRIC VEHICLE TRACTION

Title (de)

VERFAHREN ZUR BESTIMMUNG DES LADESTATUS EINER ELEKTROCHEMISCHEN QUELLE ZUM ZIEHEN EINES ELEKTROFAHRZEUGS

Title (fr)

PROCEDE POUR DETERMINER L'ETAT DE CHARGE D'UNE SOURCE ELECTROCHIMIQUE POUR LA TRACTION ELECTRIQUE DE VEHICULES

Publication

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Application

EP 10714921 A 20100304

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Abstract (en)

[origin: WO2010103216A1] The invention relates to a method for estimating the equilibrium electromotive force (F_{meq}) of a battery, based on data relating to the evolution over time of the no-load voltage at the terminals of such a battery during relaxation. The data can be obtained from preliminary tests on such a battery under different temperature conditions. The invention also relates to a method for estimating the state of charge (SOC) of a battery based on the equilibrium electromotive force. The state of charge estimation is based on data relating to the correspondence between a defined state of charge and a defined equilibrium electromotive force at a given temperature. The data can be obtained by preliminary tests on such a battery under different temperature conditions.

IPC 8 full level

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