

Title (en)
METHOD FOR DETERMINING THE LIFE EXPECTANCY OF AT LEAST ONE BATTERY CELL, BATTERY COMPRISING A PLURALITY OF BATTERY CELLS, AND MOTOR VEHICLE

Title (de)
VERFAHREN ZUR ERMITTLUNG DER VORAUSSICHTLICHEN LEBENSDAUER WENIGSTENS EINER BATTERIEZELLE, BATTERIE MIT EINER MEHRZAHL VON BATTERIEZELLEN UND KRAFTFAHRZEUG

Title (fr)
PROCÉDÉ POUR DÉTERMINER LA DURÉE DE VIE PROBABLE D'AU MOINS UN ÉLÉMENT DE BATTERIE, BATTERIE ÉQUIPÉE D'UNE PLURALITÉ D'ÉLÉMENTS DE BATTERIE ET VÉHICULE AUTOMOBILE

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Abstract (en)
[origin: WO2012007206A1] The invention relates to a method for determining the life expectancy of at least one battery cell, according to which a value of at least one physical variable acting on the battery cell and/or a number of executions of at least one process taking place in the battery cell is determined, and the value of the physical variable and/or the number of executions of processes is used as a basis for determining the life expectancy. The physical variable and/or the number of executions of processes taking place in the battery cell is determined for a plurality of operating cycles, and the frequency (f) of the occurrence of defined values of the physical variable and/or the frequency (f) of the number of executions of at least one defined process is stored. The invention also relates to a battery, especially a lithium ion battery or a nickel - metal hydride battery, and to a motor vehicle comprising at least one battery according to the invention.

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