

Title (en)

METHOD FOR ASSESSING THE STATE OF CHARGE OF AN ELECTRIC BATTERY

Title (de)

VERFAHREN ZUR BEWERTUNG DES LADUNGSZUSTANDS EINER ELEKTRISCHEN BATTERIE

Title (fr)

PROCEDE D'EVALUATION DE L'ETAT DE CHARGE D'UNE BATTERIE ELECTRIQUE

Publication

EP 1820039 A1 20070822 (FR)

Application

EP 04805868 A 20041130

Priority

FR 2004050630 W 20041130

Abstract (en)

[origin: WO2006058970A1] The invention concerns a method for assessing the state of charge (SOC) of an electric battery. Typically, it consists in calculating (20) a coulometric state of charge (SOC_c) obtained by temporal integration of the intensity (I) of the battery charge and discharge current. The method is characterized in that it consists in calculating (25), during the battery discharge phases, a theoretical state of charge (SOC_t) determined based on the voltage (U) at the battery terminals, the intensity (I) of the discharge current, the temperature (?) of the battery and its nominal capacity (Q). This theoretical state of charge can be used to reset the coulometric state of charge (SOC_c).

IPC 8 full level

G01R 31/36 (2006.01)

CPC (source: EP)

G01R 31/367 (2018.12); **G01R 31/3832** (2018.12)

Citation (search report)

See references of WO 2006058970A1

Citation (examination)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006058970 A1 20060608; EP 1820039 A1 20070822

DOCDB simple family (application)

FR 2004050630 W 20041130; EP 04805868 A 20041130