Title (en)

METHOD FOR DETERMINING THE BATTERY CAPACITY USING CAPACITY-DEPENDENT PARAMETERS

Title (de)

VERFAHREN ZUM BESTIMMEN DER BATTERIEKAPAZITÄT ANHAND KAPAZITÄTSABHÄNGIGER PARAMETER

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE LA CAPACITÉ D'UNE BATTERIE AU MOYEN DE PARAMÈTRES DÉPENDANTS DE LA CAPACITÉ

Publication

EP 2052271 A1 20090429 (DE)

Application

EP 07730093 A 20070612

Priority

- EP 2007055771 W 20070612
- DE 102006036784 A 20060807

Abstract (en)

[origin: WO2008017530A1] The invention relates to a method for determining a battery size (Qe, Uc0min), in particular the capacity (Qe) of the battery (3), with the aid of a state variable and parameter estimator (1) which computes the state variables (Z) and parameters (P) of a mathematical energy-storage model from operating variables (UBatt, IBatt, TBatt) of the battery (3). The capacity (Qe) of the battery (3) can be determined very accurately during normal operation of the battery if it is calculated as a function of at least one capacity-dependent parameter (RK025,vgr25).

IPC 8 full level

G01R 31/36 (2006.01)

CPC (source: EP KR US)

G01R 27/26 (2013.01 - KR); **G01R 31/36** (2013.01 - KR); **G01R 31/367** (2018.12 - EP US)

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