Title (en)

BATTERY STATE RECOGNITION

Title (de)

BATTERIEZUSTANDSERKENNUNG

Title (fr)

RECONNAISSANCE DE L'ETAT DE BATTERIES

Publication

EP 1747476 A1 20070131 (DE)

Application

EP 05749969 A 20050513

Priority

- EP 2005052202 W 20050513
- DE 102004023543 A 20040513
- DE 102005020835 A 20050504

Abstract (en)

[origin: WO2005111643A1] A battery state recognition system is disclosed, of application in connection with a series circuit of several battery cells, in particular, a series circuit of at least two lead batteries in a vehicle electrical system, with an increased voltage relative to conventional vehicle electrical system voltages. The battery state recognition is for recognition of a fault in one battery as well as a fault in the entire system and sends corresponding signals to a superior energy management system and, optionally, triggers a display. Additional means permit a charge equilibration in the batteries by specific recharging or specific discharging in the case of unevenly charged batteries.

IPC 8 full level

G01R 31/36 (2006.01)

CPC (source: EP US)

G01R 31/396 (2018.12 - EP US); **H02J 7/0016** (2013.01 - EP US); Y02T 10/70 (2013.01 - EP US)

Citation (search report)

See references of WO 2005111643A1

Citation (examination)

- DE 19705192 A1 19971030 - MIKRON GES FUER INTEGRIERTE MI [DE]
- JP 2000092732 A 20000331 - DENSO CORP
- JP 2004031012 A 20040129 - NISSAN MOTOR
- EP 1289096 A2 20030305 - HITACHI LTD [JP], et al

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2005111643 A1 20051124; DE 102005020835 A1 20060309; EP 1747476 A1 20070131; JP 2007537433 A 20071220; US 2008233471 A1 20080925

DOCDB simple family (application)

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