

Title (en)  
CIRCUIT FOR A MOTOR VEHICLE POWER SUPPLY NETWORK AND CORRESPONDING OPERATING METHOD

Title (de)  
SCHALTUNG FÜR EIN KFZ-BORDNETZ UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)  
CIRCUIT DE TABLEAU DE BORD D'AUTOMOBILE ET PROCEDE D'EXPLOITATION CORRESPONDANT

Publication  
**EP 1568113 A1 20050831 (DE)**

Application  
**EP 03773526 A 20031014**

Priority  
• DE 0303412 W 20031014  
• DE 10256704 A 20021204

Abstract (en)  
[origin: DE10256704B3] The circuit has a voltage supply (2,4) used for charging an electrical energy store (5) provided by a number of storage elements (C2-C5), with a charge equalization circuit (6) used for equalizing their stored charges. The charge equalization circuit is coupled to the voltage supply and the electrical energy store by respective switch elements (S4,S5,S6), operated by a common control unit (7). An Independent claim for an operating method for an onboard electrical network circuit with an number of storage elements and a charge equalization circuit is also included.

IPC 1-7  
**H02J 7/00**

IPC 8 full level  
**H02J 7/00** (2006.01); **H02J 7/14** (2006.01); **B60R 16/02** (2006.01); **B60R 16/03** (2006.01); **H02J 7/34** (2006.01)

CPC (source: EP US)  
**H02J 7/0016** (2013.01 - EP US); **H02J 7/1423** (2013.01 - EP US); **B60R 16/03** (2013.01 - EP US); **H02J 1/082** (2020.01 - EP US); **H02J 7/345** (2013.01 - EP US); **H02J 2310/46** (2020.01 - EP); **Y02T 10/70** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004051820A1

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**DE 10256704 B3 20040226**; EP 1568113 A1 20050831; US 2006164033 A1 20060727; US 7477040 B2 20090113; WO 2004051820 A1 20040617

DOCDB simple family (application)  
**DE 10256704 A 20021204**; DE 0303412 W 20031014; EP 03773526 A 20031014; US 53768405 A 20050606