

Title (en)
DUAL-VOLTAGE VEHICLE ELECTRIC SYSTEM

Title (de)
ZWEI-SPANNUNGS-BORDNETZ

Title (fr)
RESEAU DE BORD BITENSION

Publication
EP 1590206 A1 20051102 (DE)

Application
EP 04702660 A 20040116

Priority
• EP 2004000287 W 20040116
• DE 10304764 A 20030205

Abstract (en)
[origin: DE10304764B3] The onboard electrical network has 2 vehicle batteries (BS,BB) with identical battery voltages which are connected in series across a starter (S) and a generator (G), with a switching device (U) between the batteries coupled to a control device (2) for the onboard electrical network, allowing the onboard electrical network to be supplied from one of the batteries upon failure of the generator or the DC/DC converter (1), the batteries connected in parallel in an emergency starting mode.

IPC 1-7
B60R 16/04; **H02J 7/14**

IPC 8 full level
F02N 11/14 (2006.01); **H02J 7/14** (2006.01)

CPC (source: EP US)
B60L 3/003 (2013.01 - EP US); **B60L 3/0061** (2013.01 - EP US); **B60L 50/16** (2019.01 - EP US); **B60L 58/20** (2019.01 - EP US); **F02N 11/14** (2013.01 - EP US); **H02J 7/1423** (2013.01 - EP US); **H02J 7/1438** (2013.01 - EP US); **B60L 2210/10** (2013.01 - EP US); **F02D 2041/2003** (2013.01 - EP US); **F02D 2041/2051** (2013.01 - EP US); **F02D 2400/16** (2013.01 - EP US); **F02N 2011/0877** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP US); **Y02T 10/7072** (2013.01 - EP US); **Y02T 10/72** (2013.01 - EP US)

Citation (search report)
See references of WO 2004069600A1

Cited by
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DE FR GB IT

DOCDB simple family (publication)
DE 10304764 B3 20040226; EP 1590206 A1 20051102; JP 2006516500 A 20060706; US 2006110655 A1 20060525; US 7180205 B2 20070220; WO 2004069600 A1 20040819

DOCDB simple family (application)
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