

Title (en)
DIAGNOSIS OF RELAYS IN A BATTERY

Title (de)
DIAGNOSE VON RELAIS IN EINER BATTERIE

Title (fr)
DIAGNOSTIC DES RELAIS DANS UN ACCUMULATEUR

Publication
EP 2504902 A2 20121003 (DE)

Application
EP 10770520 A 20100927

Priority
• DE 102009047104 A 20091125
• EP 2010064223 W 20100927

Abstract (en)
[origin: WO2011064012A2] The invention relates to a battery system, comprising a plurality of battery cells (10), which are connected in series between a first battery pole and a second battery pole, a first relay (11) connected between the first battery pole and a first output of the battery system, a second relay (12) connected between the second battery pole and a second output of the battery system, and a controller. The battery system comprises a third relay (13), which is connected in series with a first resistor (14) having a predetermined size between the first battery pole and the first output of the battery system and is connected in parallel to the first relay (11). The controller is connected to the relays (11, 12, 13) and designed to open or close the relays (11, 12, 13) by means of outputting a respective control signal.

IPC 8 full level
H02J 7/00 (2006.01); **H01H 47/00** (2006.01); **H01M 10/48** (2006.01)

CPC (source: EP US)
B60L 3/0046 (2013.01 - EP); **B60L 50/52** (2019.01 - EP); **B60L 58/10** (2019.01 - EP); **B60L 58/18** (2019.01 - EP); **B60L 58/21** (2019.01 - EP); **H01M 10/48** (2013.01 - EP US); **H02H 9/001** (2013.01 - EP); **H02J 7/00304** (2020.01 - EP US); **H02J 7/00308** (2020.01 - EP US); **H01H 47/002** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP)

Citation (search report)
See references of WO 2011064012A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
DE 102009047104 A1 20110526; EP 2504902 A2 20121003; WO 2011064012 A2 20110603; WO 2011064012 A3 20120816

DOCDB simple family (application)
DE 102009047104 A 20091125; EP 10770520 A 20100927; EP 2010064223 W 20100927