Title (en)

DEVICE AND METHOD FOR DC/DC CONVERSION IN AN AUTOMOTIVE ON-BOARD POWER SUPPLY NETWORK

Title (de)

VORRICHTUNG UND VERFAHREN ZUR DC/DC-WANDLUNG IN EINEM KRAFTFAHRZEUG-BORDNETZ

Title (fr)

DISPOSITIF ET PROCÉDÉ DE CONVERSION DC/DC DANS LE RÉSEAU DE BORD D'UN VÉHICULE

Publication

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Application

EP 11815497 A 20111221

Priority

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- FR 2011053125 W 20111221

Abstract (en)

[origin: WO2012085459A1] The invention relates to a conversion device in the onboard network of a vehicle linked on the one hand to a stop-start module (11) comprising a starter-alternator and to a set of super-capacitors (12) and on the other hand to the 14 volt onboard network of the vehicle (13) and to a battery (14). This device comprises at least two differentiated DC/DC converters (20, 21), identical from a hardware and software point of view and disposed in parallel and linked to a supervisor by a communication system, with symmetric wiring at input and output, and means for learning the imbalance in wiring impedance over a predetermined period. The invention also relates to a method for conversion implementing this device.

IPC 8 full level

H02M 3/28 (2006.01)

CPC (source: EP)

H02M 3/285 (2013.01); H02J 2310/48 (2020.01)

Citation (search report)

See references of WO 2012085459A1

Citation (examination)

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- JP 2000358371 A 20001226 - NEC CORP, et al
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DOCDB simple family (publication)

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DOCDB simple family (application)

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