

Title (en)

DEVICE AND METHOD FOR DETECTING A MISSING ELECTRICAL CONNECTION OF AN ENERGY STORE TO AN ENERGY SUPPLY SYSTEM, IN PARTICULAR A VEHICLE ELECTRICAL SYSTEM OF A MOTOR VEHICLE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERKENNUNG EINER FEHLENDEN ELEKTRISCHEN VERBINDUNG EINES ENERGIESPEICHERS MIT EINEM ENERGIEVERSORGUNGSSYSTEM, INSBESONDERE EIN BORDNETZ EINES KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉTECTION D'UNE LIAISON ÉLECTRIQUE MANQUANTE ENTRE UN ACCUMULATEUR ÉLECTRIQUE ET UN SYSTÈME D'ALIMENTATION ÉLECTRIQUE, NOTAMMENT UN RÉSEAU DE BORD D'UN VÉHICULE À MOTEUR

Publication

EP 3510413 A1 20190717 (DE)

Application

EP 17737262 A 20170707

Priority

- DE 102016216845 A 20160906
- EP 2017067104 W 20170707

Abstract (en)

[origin: WO2018046166A1] The invention relates to a device and to a method for detecting a missing electrical connection of an energy store (12) to an energy supply system (18), in particular a vehicle electrical system of a motor vehicle, wherein at least one current-sensing means (13) senses at least one current (I) flowing in the energy supply system (18) or energy store (12), wherein at least one dispersion (Is) of the current (I) is determined and is compared with at least one threshold value (IGs) in order to detect a missing electrical connection of the energy store (12) to the energy supply system (18).

IPC 8 full level

G01R 31/02 (2006.01); **G01R 31/00** (2006.01)

CPC (source: EP US)

G01R 31/006 (2013.01 - EP US); **G01R 31/52** (2020.01 - EP US); **G01R 31/54** (2020.01 - EP US)

Citation (search report)

See references of WO 2018046166A1

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102016216845 A1 20180308; CN 109642921 A 20190416; EP 3510413 A1 20190717; US 11204381 B2 20211221; US 2019195930 A1 20190627; WO 2018046166 A1 20180315

DOCDB simple family (application)

DE 102016216845 A 20160906; CN 201780054300 A 20170707; EP 17737262 A 20170707; EP 2017067104 W 20170707; US 201716323550 A 20170707