

Title (en)

ELECTRICAL CIRCUIT ARRANGEMENT FOR AN ELECTRICALLY DRIVEN VEHICLE, VEHICLE AND CORRESPONDING METHOD

Title (de)

ELEKTRISCHE SCHALTUNGSANORDNUNG FÜR EIN ELEKTRISCH ANGETRIEBENES FAHRZEUG, FAHRZEUG UND ENTSPRECHENDES VERFAHREN

Title (fr)

ENSEMBLE CIRCUIT ÉLECTRIQUE POUR UN VÉHICULE ÉLECTRIQUE, VÉHICULE ET PROCÉDÉ CORRESPONDANT

Publication

**EP 2877366 A2 20150603 (DE)**

Application

**EP 13773643 A 20130918**

Priority

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- EP 2013069330 W 20130918

Abstract (en)

[origin: WO2014079603A2] Electrical circuit arrangement for an electrically driven vehicle, vehicle and corresponding method. The invention relates to preventing failure in an electrical circuit arrangement of an electrically driven vehicle. The circuit arrangement (1) comprises a high-voltage battery (11) for providing an electrical supply voltage (UV) for an electrical drive machine (2), a low-voltage on-board electrical system (4) having at least one electrical load (5, 6) which can be supplied with an operating voltage (UB), and a main voltage source (7) for providing the operating voltage (UB) for the low-voltage on-board electrical system (4). At least one first and one second auxiliary voltage source (22, 26) are provided, in each case for providing the operating voltage (UB) for the low-voltage on-board electrical system (4), as is a switching device (15, 18) which electrically connects the low-voltage on-board electrical system (4) to the first auxiliary voltage source (22) after failure of the main voltage source (7), and to the second auxiliary voltage source (26) after failure of the first auxiliary voltage source (22).

IPC 8 full level

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Citation (search report)

See references of WO 2014079603A2

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