

Title (en)

DEVICE FOR POWER SUPPLY, METHOD FOR SUPPLYING POWER TO AT LEAST ONE ELECTRICAL LOAD, AND VEHICLE

Title (de)

VORRICHTUNG ZUR ENERGIEVERSORGUNG, VERFAHREN ZUM VERSORGEN ZUMINDEST EINES ELEKTRISCHEN VERBRAUCHERS UND FAHRZEUG

Title (fr)

DISPOSITIF D'ALIMENTATION ÉLECTRIQUE, PROCÉDÉ D'ALIMENTATION ÉLECTRIQUE D'AU MOINS UNE CHARGE ÉLECTRIQUE ET VÉHICULE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2022043098A1] The invention relates to a device (102) for power supply for a vehicle (100), comprising: - a first battery (122); - a second battery (123); - a fault-detecting apparatus (120) for detecting a faulty state of at least one of the batteries (122, 123); and - a switching apparatus (118), which has four battery interfaces (130, 132, 134, 136) and a load interface (112) for connecting at least one electrical load (104, 108) to the device (102). The first battery interface (132) is connected to a first terminal of the first battery (122), the second battery interface (134) is connected to a second terminal of the first battery (122), the third battery interface (136) is connected to a first terminal of the second battery (123), and the fourth battery interface (138) is connected to a second terminal of the second battery (123). The switching apparatus (118) is designed such that, in a normal state, the switching apparatus connects the second battery interface (132) to the third battery interface (134) and such that, in an emergency state, the switching apparatus disconnects the second battery interface (132) from the third battery interface (134) and connects the second battery interface (132) or the fourth battery interface (138) to the load interface (112).

IPC 8 full level

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