

Title (en)

POWER DISTRIBUTION AND CIRCUIT PROTECTION FOR A MOBILE APPLICATION HAVING A HIGH EFFICIENCY INVERTER

Title (de)

LEISTUNGSVERTEILUNG UND SCHALTUNGSSCHUTZ FÜR EINE MOBILE ANWENDUNG MIT EINEM HOCHEFFIZIENTEN WECHSELRICHTER

Title (fr)

DISTRIBUTION DE PUISSANCE ET PROTECTION DE CIRCUIT POUR UNE APPLICATION MOBILE COMPORTANT UN ONDULEUR À HAUT RENDEMENT

Publication

EP 3942662 A1 20220126 (EN)

Application

EP 20711625 A 20200323

Priority

- US 201962822567 P 20190322
- IN 201911011137 A 20190322
- US 201916380857 A 20190410
- EP 2019059070 W 20190410
- IN 201911020670 A 20190524
- US 201962855413 P 20190531
- US 201962866478 P 20190625
- US 201962880017 P 20190729
- US 201962881447 P 20190801
- US 201962892958 P 20190828
- US 201962897024 P 20190906
- IN 201911036406 A 20190910
- US 201962898870 P 20190911
- US 201962926746 P 20191028
- IN 201911054618 A 20191231
- EP 2020057951 W 20200323

Abstract (en)

[origin: WO2020193466A1] A power electronics assembly for a mobile application includes a first power electronics component selectively coupled to a high source on a first side and coupled to a high voltage battery on a second side, a second power electronics component selectively coupled to one of a low load or a low voltage battery on a first side and coupled to the high voltage battery on a second side; and a controller, including an operating mode circuit structured to determine a discharge operating mode for the mobile application, a power electronics configuration circuit structured to provide a switch state value for the first power electronics component and the second power electronics component in response to the discharge operating mode, and wherein the first power electronics component and the second power electronics component are responsive to the switch state value to coupled selected ones of the high source, low load, and low voltage battery to the high voltage battery.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2020193466A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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