

Title (en)

SYSTEM AND METHOD OF A MOBILE ELECTRICAL SYSTEM

Title (de)

SYSTEM UND VERFAHREN FÜR EIN MOBILES ELEKTRISCHES SYSTEM

Title (fr)

SYSTÈME ET PROCÉDÉ D'UN SYSTÈME ÉLECTRIQUE MOBILE

Publication

EP 4263270 A1 20231025 (EN)

Application

EP 21839997 A 20211217

Priority

- IN 202011055198 A 20201218
- US 202063127875 P 20201218
- EP 2021086513 W 20211217

Abstract (en)

[origin: WO2022129538A1] An example system includes a vehicle having a prime mover motively coupled to a drive line; a motor/generator selectively coupled to the drive line, and configured to selectively modulate power transfer between an electrical load and the drive line; a battery pack; a DC/DC converter electrically interposed between the motor/generator and the electrical load, and between the battery pack and the electrical load, the DC/DC converter comprising a DC/DC converter housing; and a covering tray positioned over a plurality of batteries of the battery pack, the covering tray comprising a connectivity layer configured to provide electrical connectivity to terminals of the plurality of batteries.

IPC 8 full level

B60L 50/52 (2019.01); **B60L 50/60** (2019.01)

CPC (source: EP)

B60K 1/00 (2013.01); **B60K 1/04** (2013.01); **B60K 11/06** (2013.01); **B60K 25/06** (2013.01); **B60L 50/52** (2019.02); **B60L 50/66** (2019.02); **B60K 2001/003** (2013.01); **B60L 2200/28** (2013.01); **B60L 2210/10** (2013.01); **B60Y 2200/142** (2013.01); **B60Y 2306/05** (2013.01); **B60Y 2410/10** (2013.01); **Y02T 10/70** (2013.01); **Y02T 10/72** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022129538 A1 20220623; EP 4263270 A1 20231025

DOCDB simple family (application)

EP 2021086513 W 20211217; EP 21839997 A 20211217