

Title (en)

LARGE-FORMAT BATTERY MANAGEMENT SYSTEMS WITH GATEWAY PCBA

Title (de)

GROSSFORMATIGE BATTERIEVERWALTUNGSSYSTEME MIT GATEWAY-PCBA

Title (fr)

SYSTÈMES DE GESTION DE BATTERIE GRAND FORMAT À PCBA DE PASSERELLE

Publication

**EP 4402575 A1 20240724 (EN)**

Application

**EP 22870877 A 20220725**

Priority

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- US 202117563856 A 20211228
- US 202117563916 A 20211228
- US 2022074099 W 20220725

Abstract (en)

[origin: WO2023044190A1] A battery system with a large-format Li-ion battery pack powers attached equipment by discharging battery cells distributed among a plurality of battery packs. A limp home notification is generated from a smart lithium-ion battery pack to one or more application devices using an analog signal. The battery pack may provide broadcast messages over electronic communication lines, that includes state of charge (SoC), fault status, etc. which can be read by one or more application devices to enter limp home mode. In another example, a "fully charged" notification is generated from the smart lithium-ion battery pack to one or more application devices using an analog signal. The end device powered by the battery pack system receives and reacts to the outputted fully charged signal by modifying the state of the circuitry on the end device.

IPC 8 full level

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CPC (source: EP)

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