

Title (en)

HYBRID BATTERY ENERGY STORAGE SYSTEM

Title (de)

HYBRIDES ENERGIESPEICHERSYSTEM MIT BATTERIE

Title (fr)

SYSTÈME DE STOCKAGE D'ÉNERGIE DE BATTERIE HYBRIDE

Publication

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Application

**EP 19742405 A 20190726**

Priority

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- EP 2019070271 W 20190726

Abstract (en)

[origin: WO2020259860A1] The present invention relates to a battery unit configured to store and release electrical energy, wherein the battery unit comprises a first set of rechargeable battery modules, comprising at least one rechargeable battery module, a second set of rechargeable battery modules, comprising at least one rechargeable battery module, and at least one battery management system (BMS) for each set of rechargeable battery modules, configured to monitor, control and/ or protect the rechargeable battery modules during operation. The battery modules each comprise at least one battery cell. The weakest battery cell in the first set of rechargeable battery modules, defined by the state-of-health (SoH), has a higher SoH than the weakest battery cell in the second set of rechargeable battery modules. At least 70% of charging and discharging processes of the battery unit during a 24 h period are performed utilizing only the first set of rechargeable battery modules.

IPC 8 full level

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