

Title (en)
HIGH-VOLTAGE BATTERY STORE HAVING A HIGH POWER DENSITY

Title (de)
HOCHSPANNUNGS-BATTERIESPEICHER MIT HOHER LEISTUNGSDICHTE

Title (fr)
ACCUMULATEUR HAUTE TENSION À DENSITÉ DE PUISSANCE ÉLEVÉE

Publication
EP 3935676 A1 20220112 (DE)

Application
EP 20714952 A 20200319

Priority
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• EP 2020057688 W 20200319

Abstract (en)
[origin: WO2020193378A1] The invention provides a battery store designed for high voltage above 1200 V, in the case of which battery store the bare battery cells are arranged in ungrounded battery cell holders, which in turn are arranged in an ungrounded carrier system in an ISO container. The battery store has a high packing density and thus a high power density, while at the same time the output voltage is increased to the level of a medium voltage. Developments of the battery store according to the invention relate to a maintenance-friendly design by virtue of remote maintenance by means of a robot, operation with a cooling gas above atmospheric pressure, operation with an oxygen-free cooling gas or a protective or insulating gas and the implementation of an integral cooling concept.

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Citation (search report)
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