

Title (en)
ELECTRICITY STORAGE BATTERY AND VEHICLE

Title (de)
ELEKTRIZITÄTSSPEICHERBATTERIE UND FAHRZEUG

Title (fr)
BATTERIE DE STOCKAGE D'ÉLECTRICITÉ ET VÉHICULE

Publication
EP 3991238 A1 20220504 (FR)

Application
EP 20734046 A 20200625

Priority
• FR 1907192 A 20190628
• EP 2020067878 W 20200625

Abstract (en)
[origin: WO2020260482A1] The battery (1) comprises: - a casing (5) which internally delimits a volume (7) for receiving electricity storage cells (3); - a heat exchanger (11) comprising a metal upper plate (13) which defines the bottom of the casing (5), a lower plate (15) which delimits with the upper plate (13) a volume (17) for circulation of a heat transfer fluid, and a plurality of upper fins (19) which are received in the circulation volume (17) and arranged to transmit forces between the upper and lower plates (13, 15); - a protection plate (23) which covers the lower plate (15) and delimits with the lower plate (15) a lower volume (25); - lower rigidification fins (27) which are received in the lower volume (25) and arranged to transmit forces between the protection plate (23) and the lower plate (15), the lower plate (15) forming with the lower fins (27) and the protection plate (23) a rigid frame (28) which takes up the majority of the forces to which the battery (1) is subjected.

IPC 8 full level
H01M 10/625 (2014.01); **H01M 10/6556** (2014.01); **H01M 50/20** (2021.01); **H01M 50/204** (2021.01); **H01M 50/271** (2021.01)

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B60L 50/64 (2019.01 - CN US); **B60L 50/66** (2019.01 - CN); **B60L 58/26** (2019.01 - CN US); **H01M 10/613** (2015.04 - CN US); **H01M 10/625** (2015.04 - CN EP US); **H01M 10/6551** (2015.04 - CN US); **H01M 10/6556** (2015.04 - CN EP US); **H01M 10/6567** (2015.04 - CN US); **H01M 50/204** (2021.01 - CN EP US); **H01M 50/242** (2021.01 - CN EP US); **H01M 50/244** (2021.01 - CN); **H01M 50/249** (2021.01 - CN EP US); **H01M 50/271** (2021.01 - CN EP US); **H01M 2220/20** (2013.01 - US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP); **Y02T 10/70** (2013.01 - EP)

Citation (search report)
See references of WO 2020260482A1

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Designated extension state (EPC)
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DOCDB simple family (publication)
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