

Title (en)

DEVICE FOR BREAKING THE ELECTRICAL CONNECTION TO A BATTERY CELL IN THE EVENT OF OUTGASSING

Title (de)

VORRICHTUNG ZUM TRENNEN DER ELEKTRISCHEN VERBINDUNG ZU EINER BATTERIEZELLE IM AUSGASUNGSFALL

Title (fr)

DISPOSITIF DE RUPTURE DE CONNEXION ÉLECTRIQUE D'ÉLÉMENT DE BATTERIE EN CAS DE DÉGAZAGE

Publication

EP 4073879 A1 20221019 (DE)

Application

EP 20825136 A 20201209

Priority

- AT 510912019 A 20191213
- AT 2020060442 W 20201209

Abstract (en)

[origin: WO2021113891A1] The invention relates to a device for breaking the electrical connection to a battery cell (1) in the event of outgassing, in which the cell pole (3) on the outgassing valve side is connected to an electrical contact point (5) at a connection point (4) via a connecting lead (2) which forms a fuse. In order to create such a device which, requiring few components and having a compact design, enables a reliable electrical and thermal protection of neighbouring cells of an outgassing battery cell against overloading and prevents the spread of a thermal runaway, a spacer (6) which electrically isolates the connection point (4) from the contact point (5) in the event of outgassing and retains the cell pole (3) is provided between the connection point (4) and the contact point (5).

IPC 8 full level

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CPC (source: AT EP US)

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Citation (search report)

See references of WO 2021113891A1

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