

Title (en)

DEVICE WITH A CARRIER HAVING AN OPENING FOR HOLDING A BATTERY CELL ON THE CASING SIDE

Title (de)

VORRICHTUNG MIT EINEM EINE ÖFFNUNG ZUR MANTELSEITIGEN AUFNAHME EINER BATTERIEZELLE AUFWEISENDEN TRÄGER

Title (fr)

DISPOSITIF DOTÉ D'UN SUPPORT PRÉSENTANT UNE OUVERTURE DIRIGÉE VERS UNE CAVITÉ DE RÉCEPTION D'UN ÉLÉMENT DE BATTERIE, CÔTÉ ENVELOPPE

Publication

EP 3981034 A1 20220413 (DE)

Application

EP 20758097 A 20200608

Priority

- AT 505172019 A 20190607
- AT 2020060228 W 20200608

Abstract (en)

[origin: WO2020243765A1] The invention relates to a device with a carrier (3) having an opening (1) for holding a battery cell (2) on the casing side, which carrier has a measuring channel (5), extending between a carrier outer wall (4) and the opening (1), for a measuring head (6), which has a latching means for a measuring position against the battery cell casing (7). In order to design a device of this type so as to enable regulation that is coordinated with the non-homogenous distribution of the state variables within a battery module and within a battery cell, thus aiding the industrial production of battery modules, in particular their assembly, according to the invention, the measuring head (6) has a galvanic contact point (12) of a voltage sensor, which contact point, in the measuring position, rests against the battery cell casing (7) which forms an electrical pole.

IPC 8 full level

H01M 10/42 (2006.01); **H01M 10/48** (2006.01); **H01M 50/213** (2021.01); **H01M 50/262** (2021.01); **H01M 50/284** (2021.01); **H01M 50/569** (2021.01)

CPC (source: AT CN EP US)

H01M 10/425 (2013.01 - EP); **H01M 10/4285** (2013.01 - EP); **H01M 10/48** (2013.01 - AT CN EP US); **H01M 10/486** (2013.01 - AT CN EP US); **H01M 10/613** (2015.04 - US); **H01M 10/625** (2015.04 - AT); **H01M 10/643** (2015.04 - AT); **H01M 50/107** (2021.01 - EP); **H01M 50/213** (2021.01 - AT CN EP US); **H01M 50/244** (2021.01 - US); **H01M 50/249** (2021.01 - CN); **H01M 50/262** (2021.01 - AT CN EP US); **H01M 50/264** (2021.01 - US); **H01M 50/284** (2021.01 - AT CN EP US); **H01M 50/545** (2021.01 - EP); **H01M 50/569** (2021.01 - AT CN EP US); **H01M 10/613** (2015.04 - EP); **H01M 10/643** (2015.04 - EP); **H01M 2200/10** (2013.01 - AT); **H01M 2200/20** (2013.01 - AT); **H01M 2220/20** (2013.01 - AT); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2020243765A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020243765 A1 20201210; AT 522482 A4 20201115; AT 522482 B1 20201115; CN 114072953 A 20220218; EP 3981034 A1 20220413; JP 2022535886 A 20220810; US 2022247026 A1 20220804

DOCDB simple family (application)

AT 2020060228 W 20200608; AT 505172019 A 20190607; CN 202080048466 A 20200608; EP 20758097 A 20200608; JP 2021572395 A 20200608; US 202017616991 A 20200608