

Title (en)

RECEPTACLE FOR A BATTERY MODULE, AND BATTERY MODULE HAVING A RECEPTACLE OF THIS KIND

Title (de)

AUFNAHME FÜR EIN BATTERIEMODUL UND BATTERIEMODUL AUFWEISEND EINE DERARTIGE AUFNAHME

Title (fr)

LOGEMENT POUR MODULE DE BATTERIE ET MODULE DE BATTERIE COMPRENANT UN LOGEMENT DE CE TYPE

Publication

EP 3183762 A1 20170628 (DE)

Application

EP 15753631 A 20150803

Priority

- DE 102014216407 A 20140819
- EP 2015067779 W 20150803

Abstract (en)

[origin: WO2016026678A1] The present invention relates to a receptacle (10) for accommodating at least one battery cell (12) for a battery module such that said battery cell is at least partially pressed in, wherein the receptacle (10) has two end plates (14a, 14b) which can be arranged on two opposite sides of the at least one battery cell (12), characterized in that the end plates (14a, 14b) are connected by a plurality of rod-like supports (16a-d) which are fixed to the end plates (14a, 14b), wherein the supports (16a-d) are designed to support in each case one edge (18a-d) of the at least one battery cell (12) in two dimensions. In summary, a receptacle (10) of the kind described above, in a particularly simple and cost-effective manner, allows battery cells (12) to be fixed in a battery module and allows the performance of a battery module to be maintained, irrespective of the temperature, by at least temporary bracing.

IPC 8 full level

H01M 10/04 (2006.01); **H01M 10/0585** (2010.01); **H01M 50/209** (2021.01); **H01M 50/224** (2021.01); **H01M 50/227** (2021.01); **H01M 50/264** (2021.01)

CPC (source: CN EP KR US)

H01M 10/0413 (2013.01 - CN EP KR US); **H01M 10/0468** (2013.01 - CN EP KR US); **H01M 10/0481** (2013.01 - US); **H01M 10/0585** (2013.01 - CN EP KR US); **H01M 50/20** (2021.01 - KR); **H01M 50/209** (2021.01 - CN EP KR US); **H01M 50/224** (2021.01 - CN EP KR US); **H01M 50/227** (2021.01 - CN EP KR US); **H01M 50/24** (2021.01 - KR); **H01M 50/264** (2021.01 - CN EP KR US); **H01M 50/24** (2021.01 - CN EP US); **H01M 2220/20** (2013.01 - CN EP KR US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

Citation (search report)

See references of WO 2016026678A1

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)

DE 102014216407 A1 20160225; CN 106575728 A 20170419; EP 3183762 A1 20170628; JP 2017526130 A 20170907; KR 102476416 B1 20221213; KR 20170042587 A 20170419; US 2017237113 A1 20170817; WO 2016026678 A1 20160225

DOCDB simple family (application)

DE 102014216407 A 20140819; CN 201580044413 A 20150803; EP 15753631 A 20150803; EP 2015067779 W 20150803; JP 2017509639 A 20150803; KR 20177004005 A 20150803; US 201515504377 A 20150803