

Title (en)

STORAGE BATTERY, CONTACT ELEMENT AND METHOD FOR OPERATING A STORAGE BATTERY

Title (de)

AKKUMULATOR, KONTAKTELEMENT UND VERFAHREN ZUM BETREIBEN EINES AKKUMULATORS

Title (fr)

ACCUMULATEUR, ÉLÉMENT DE CONTACT ET PROCÉDÉ DESTINÉ À FAIRE FONCTIONNER UN ACCUMULATEUR

Publication

EP 3991232 A1 20220504 (DE)

Application

EP 20734696 A 20200623

Priority

- DE 102019117058 A 20190625
- EP 2020067419 W 20200623

Abstract (en)

[origin: WO2020260231A1] The invention relates to a storage battery (1) for providing electrical energy, comprising at least one rechargeable secondary cell (2) and at least one contact unit (3) for connecting the storage battery (1) to an external device (20; 21; 22), in particular a consumer device (22), a charging device (21) and/or an additional storage battery (1), wherein the contact unit (3) comprises at least two electrical contacts (4), at least two of the electrical contacts (4) being power contacts (5). The storage battery (1) is characterized in that the storage battery (1) comprises at least one electronic module (6), the electronic module (6) being connected to at least one of the secondary cells (2) and preferably to at least one of the contact units (3). The invention further relates to a contact element (23) for establishing an electrical contact with a contact unit (3) of a storage battery (1) according to the preceding description, and a method for operating a storage battery (1) according to the preceding description.

IPC 8 full level

H01M 10/42 (2006.01)

CPC (source: EP)

H01M 10/425 (2013.01); **H01M 10/44** (2013.01); **H01M 10/613** (2015.04); **H01M 10/6551** (2015.04); **H02J 7/0068** (2013.01); **H01M 2010/4271** (2013.01); **H02J 7/0014** (2013.01); **H02J 7/35** (2013.01); **H02J 2207/40** (2020.01); **Y02E 60/10** (2013.01)

Citation (search report)

See references of WO 2020260231A1

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 102019117058 A1 20201231; EP 3991232 A1 20220504; WO 2020260231 A1 20201230

DOCDB simple family (application)

DE 102019117058 A 20190625; EP 2020067419 W 20200623; EP 20734696 A 20200623