

Title (en)
RECHARGEABLE BATTERY PROTECTION APPARATUS

Title (de)
AKKUSCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION D'ACCUMULATEURS

Publication
EP 3821484 A1 20210519 (DE)

Application
EP 19739532 A 20190701

Priority
• EP 18182397 A 20180709
• EP 2019067516 W 20190701

Abstract (en)
[origin: WO2020011573A1] A protection apparatus for protecting a rechargeable battery pack having at least one rechargeable battery cell against an overvoltage in at least one line of the rechargeable battery pack. A method for protecting a rechargeable battery pack against an overvoltage, wherein the rechargeable battery pack contains at least one rechargeable battery cell and also a protection apparatus having a fuse device, which contains at least one fuse, a short-circuit line for selectively short-circuiting the at least one rechargeable battery cell by means of the at least one fuse, a monitoring device having at least one voltage comparator and at least one switch for selectively closing the short-circuit line.

IPC 8 full level
H01M 10/42 (2006.01); **H01M 50/574** (2021.01); **H01M 50/583** (2021.01)

CPC (source: EP US)
H01M 10/4257 (2013.01 - EP US); **H01M 50/574** (2021.01 - EP US); **H01M 50/583** (2021.01 - EP US); **H02J 7/00308** (2020.01 - US); **H02J 7/0047** (2013.01 - US); **H01M 2200/103** (2013.01 - US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
See references of WO 2020011573A1

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)
EP 3595046 A1 20200115; CN 112219311 A 20210112; EP 3821484 A1 20210519; US 2021218260 A1 20210715;
WO 2020011573 A1 20200116

DOCDB simple family (application)
EP 18182397 A 20180709; CN 201980037578 A 20190701; EP 19739532 A 20190701; EP 2019067516 W 20190701;
US 201917058950 A 20190701