

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

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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;  
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US 201917058950 A 20190701