

Title (en)

OVERLOAD PROTECTION FOR A LITHIUM BATTERY

Title (de)

BERLADESCHUTZ IN EINER LITHIUMBATTERIE

Title (fr)

PROTECTION CONTRE UNE SURCHARGE DANS UNE BATTERIE AU LITHIUM

Publication

EP 1652263 A1 20060503 (DE)

Application

EP 04705069 A 20040126

Priority

- EP 2004000622 W 20040126
- DE 10328862 A 20030626

Abstract (en)

[origin: WO2005001984A1] The invention relates to an overload-protected lithium battery which comprises an electrical component (12) for discharging overload current, a charge eliminator (11) in the winding (13) of the battery (10), which short-circuits the winding (13); and a pressure release device that responds to a pressure generation. The charge eliminator (11) and the electrical component (12) are connected in series and the short-circuit in the winding (13) completely discharges the battery (10).

IPC 1-7

H01M 10/42; **H01M 2/12**; **H02H 7/18**

IPC 8 full level

H01M 2/34 (2006.01); **H01M 10/052** (2010.01); **H01M 10/0587** (2010.01); **H01M 10/36** (2010.01); **H01M 10/38** (2006.01); **H01M 10/42** (2006.01); **H01M 50/574** (2021.01); **H01M 2/12** (2006.01); **H01M 10/40** (2006.01)

CPC (source: EP US)

H01M 10/052 (2013.01 - EP); **H01M 10/0587** (2013.01 - EP); **H01M 10/42** (2013.01 - EP); **H01M 50/574** (2021.01 - EP US); **H01M 50/578** (2021.01 - EP); **H01M 50/30** (2021.01 - EP); **H01M 50/3425** (2021.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)

See references of WO 2005001984A1

Designated contracting state (EPC)

CZ ES FR GB

DOCDB simple family (publication)

WO 2005001984 A1 20050106; DE 10328862 A1 20050127; DE 10328862 B4 20061116; EP 1652263 A1 20060503

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