

Title (en)  
DISCONNECTION DEVICE COMPRISING A HEAT-ACTIVATABLE ELEMENT

Title (de)  
TRENNVORRICHTUNG MIT WÄRMEAKTIVIERBAREM ELEMENT

Title (fr)  
DISPOSITIF DE DECONNEXION COMPRENANT UN ELEMENT THERMO-ACTIVABLE

Publication  
**EP 4070400 A1 20221012 (FR)**

Application  
**EP 20812074 A 20201130**

Priority  
• FR 1913899 A 20191206  
• EP 2020083977 W 20201130

Abstract (en)  
[origin: WO2021110606A1] The present invention relates to a battery comprising: -i) at least two electrochemical elements (d) connected to one another by a connection part (c), each electrochemical element comprising a container, -ii) a material arranged between said at least two electrochemical elements, and -iii) at least one disconnection device, said device comprising: a heat-activatable element (a) able to deform when its temperature reaches a threshold value, the heat-activatable element being arranged such that, when its temperature reaches said threshold value, it disconnects the connection part (c) from at least one electrochemical element (d) through its deformation, said heat-activatable element not contributing to the conduction of electric current when an electric current flows through said electrochemical elements, said heat-activatable element being placed in contact with the connection part (c) and with a current output terminal.

IPC 8 full level  
**H01M 10/052** (2010.01); **H01M 10/054** (2010.01); **H01M 50/24** (2021.01); **H01M 50/502** (2021.01); **H01M 50/578** (2021.01);  
**H01M 50/581** (2021.01)

CPC (source: EP US)  
**H01M 10/052** (2013.01 - EP); **H01M 10/054** (2013.01 - EP); **H01M 10/653** (2015.04 - US); **H01M 50/24** (2021.01 - EP);  
**H01M 50/502** (2021.01 - EP); **H01M 50/578** (2021.01 - EP); **H01M 50/581** (2021.01 - EP US); **H01M 2200/10** (2013.01 - EP US);  
**Y02E 60/10** (2013.01 - EP)

Citation (search report)  
See references of WO 2021110606A1

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)  
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