

Title (en)
ELECTROCHEMICAL CELL WITH AN IRREVERSIBLE FUSE

Title (de)
GALVANISCHE ZELLE MIT IRREVERSIBLER SICHERUNG

Title (fr)
CELLULE GALVANIQUE À PROTECTION IRRÉVERSIBLE

Publication
EP 2297803 A1 20110323 (DE)

Application
EP 09733055 A 20090415

Priority
• EP 2009002740 W 20090415
• DE 102008020912 A 20080417

Abstract (en)
[origin: WO2009127396A1] The invention describes a rechargeable electrochemical cell (1) with at least one lithium-intercalating electrode and a thin, flexible housing which is tightly closed and comprises two films which are connected to one another by an adhesive or sealing layer (4), wherein the cell has at least one main lead (2) which has an integrated irreversibly triggering thermal fuse (3), and wherein the fuse is arranged within the housing and/or is embedded in the adhesive or sealing layer (4).

IPC 1-7
H01M 10/40

IPC 8 full level
H01M 10/36 (2010.01); **H01M 10/50** (2006.01); **H01M 50/119** (2021.01); **H01M 50/121** (2021.01); **H01M 50/124** (2021.01)

CPC (source: EP KR US)
H01M 10/02 (2013.01 - EP KR US); **H01M 10/052** (2013.01 - EP KR US); **H01M 10/0525** (2013.01 - KR); **H01M 10/655** (2015.04 - KR); **H01M 50/119** (2021.01 - EP KR US); **H01M 50/121** (2021.01 - EP KR US); **H01M 50/124** (2021.01 - EP KR US); **H01M 50/572** (2021.01 - KR); **H01M 50/581** (2021.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)
See references of WO 2009127396A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 102008020912 A1 20091022; CN 102027620 A 20110420; EP 2297803 A1 20110323; JP 2011519124 A 20110630; KR 20110009108 A 20110127; US 2011086253 A1 20110414; WO 2009127396 A1 20091022

DOCDB simple family (application)
DE 102008020912 A 20080417; CN 200980114090 A 20090415; EP 09733055 A 20090415; EP 2009002740 W 20090415; JP 2011504369 A 20090415; KR 20107022797 A 20090415; US 93755809 A 20090415