

Title (en)  
LITHIUM ION BATTERY

Title (de)  
LITHIUM-IONEN-BATTERIE

Title (fr)  
BATTERIE AU LITHIUM-ION

Publication  
**EP 3724903 A4 20211013 (EN)**

Application  
**EP 18888951 A 20181207**

Priority  
• US 201715840162 A 20171213  
• US 201815926433 A 20180320  
• US 2018064479 W 20181207

Abstract (en)  
[origin: WO2019118295A2] A multi-core lithium ion battery includes a sealed enclosure and a support member disposed within the sealed enclosure. The sealed enclosure may be fabricated with a clamshell configuration. The sealed enclosure may further include at least two support members housed within individual compartments, separated by shared wall(s). The support member(s) includes a plurality of cavities and a plurality of lithium ion core members which are disposed within the plurality of cavities. The battery may further include a plurality of cavity liners, each of which is positioned between a corresponding one of the lithium ion core members and a surface of a corresponding one of the cavities. The hermetically sealed enclosure may be formed using a clamshell configuration. Structures may be included in proximity to or in contact with the lithium ion core members to control gas/fluid flow therefrom.

IPC 8 full level  
**H01M 10/653** (2014.01); **H01M 10/0525** (2010.01); **H01M 50/20** (2021.01); **H01M 50/24** (2021.01); **H01M 50/30** (2021.01); **H01M 50/502** (2021.01); **H01M 50/578** (2021.01); **H01M 50/579** (2021.01)

CPC (source: EP)  
**H01M 10/0525** (2013.01); **H01M 50/24** (2021.01); **H01M 50/394** (2021.01); **H01M 50/578** (2021.01); **H01M 50/579** (2021.01); **H01M 2200/00** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)  
• [Y] US 2015280185 A1 20151001 - LAMPE-ONNERUD MARIA CHRISTINA [US], et al  
• [Y] US 2015221914 A1 20150806 - PAGE JOHN B [CA], et al  
• [Y] US 2010136404 A1 20100603 - HERMANN WESTON ARTHUR [US], et al  
• [Y] WO 2017106349 A1 20170622 - CADENZA INNOVATION INC [US]  
• [Y] EP 2879203 A1 20150603 - SAMSUNG SDI CO LTD [KR]  
• See references of WO 2019118295A2

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

DOCDB simple family (publication)  
**WO 2019118295 A2 20190620**; **WO 2019118295 A3 20200326**; AU 2018385435 A1 20200709; AU 2018385435 B2 20221117; CN 111902901 A 20201106; CN 111902901 B 20220405; EP 3724903 A2 20201021; EP 3724903 A4 20211013

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**US 2018064479 W 20181207**; AU 2018385435 A 20181207; CN 201880089330 A 20181207; EP 18888951 A 20181207