

Title (en)  
LITHIUM ION BATTERY

Title (de)  
LITHIUM-IONEN-BATTERIE

Title (fr)  
BATTERIE AU LITHIUM-ION

Publication  
**EP 3830884 A4 20220420 (EN)**

Application  
**EP 19844398 A 20190726**

Priority  
• US 201816048874 A 20180730  
• US 2019043657 W 20190726

Abstract (en)  
[origin: WO2020028170A1] A multi-core lithium ion battery includes a sealed enclosure and a support member disposed within the sealed enclosure. The support member includes a plurality of cavities and a plurality of lithium ion core members which are disposed the plurality of cavities. The battery further includes 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.

IPC 8 full level  
**H01M 50/112** (2021.01); **H01M 10/0525** (2010.01); **H01M 50/117** (2021.01); **H01M 50/119** (2021.01); **H01M 50/121** (2021.01); **H01M 50/14** (2021.01); **H01M 50/141** (2021.01); **H01M 50/143** (2021.01); **H01M 50/505** (2021.01); **H01M 50/529** (2021.01); **H01M 50/583** (2021.01)

CPC (source: EP KR US)  
**H01M 10/0525** (2013.01 - KR); **H01M 50/112** (2021.01 - EP KR US); **H01M 50/117** (2021.01 - EP KR US); **H01M 50/119** (2021.01 - EP KR US); **H01M 50/121** (2021.01 - EP KR US); **H01M 50/14** (2021.01 - EP US); **H01M 50/141** (2021.01 - EP KR US); **H01M 50/143** (2021.01 - EP KR US); **H01M 50/24** (2021.01 - KR); **H01M 50/505** (2021.01 - EP KR US); **H01M 50/529** (2021.01 - EP KR); **H01M 50/583** (2021.01 - EP KR US); **H01M 10/0525** (2013.01 - EP); **H01M 50/24** (2021.01 - EP); **H01M 2220/20** (2013.01 - EP KR); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP)

Citation (search report)  
[A] US 3966870 A 19760629 - VECCHIOTTI CAMILLO M

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 2020028170 A1 20200206**; AU 2019314285 A1 20210311; CN 112889174 A 20210601; EP 3830884 A1 20210609; EP 3830884 A4 20220420; JP 2021533533 A 20211202; KR 20210046684 A 20210428; MX 2021001125 A 20210412

DOCDB simple family (application)  
**US 2019043657 W 20190726**; AU 2019314285 A 20190726; CN 201980064397 A 20190726; EP 19844398 A 20190726; JP 2021505223 A 20190726; KR 20217006089 A 20190726; MX 2021001125 A 20190726