

Title (en)  
ASSEMBLY OF ELECTRIC ACCUMULATORS

Title (de)  
MONTAGE VON ELEKTRISCHEN AKKUMULATOREN

Title (fr)  
ASSEMBLAGE D'ACCUMULATEURS ÉLECTRIQUES

Publication  
**EP 3419846 A4 20190130 (FR)**

Application  
**EP 17755670 A 20170222**

Priority  
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• CA 2017050218 W 20170222

Abstract (en)  
[origin: CA3011626A1] The invention relates to a module for assembling tubular electric accumulators. The module comprises supporting elements consisting of an insulating material, having arrangements of openings for receiving and holding a group of accumulators in a parallel configuration. Films consisting of an electroconductive material extend on the surface of the supporting elements. The films are soldered to the respective terminals of the accumulators and form surfaces for electrical contact with the accumulators. Similar assembly modules are arranged in series with arrangements of complementary fixing elements between the adjacent supporting elements of the modules.

IPC 8 full level  
**B60K 1/04** (2019.01); **H01M 10/04** (2006.01); **H01M 50/213** (2021.01); **H01M 50/249** (2021.01); **H01M 50/509** (2021.01); **H01M 50/512** (2021.01); **H01M 50/516** (2021.01)

CPC (source: EP KR US)  
**B60K 1/04** (2013.01 - EP KR US); **B60L 50/64** (2019.01 - EP KR US); **H01M 10/0422** (2013.01 - EP KR); **H01M 50/107** (2021.01 - KR); **H01M 50/213** (2021.01 - EP KR US); **H01M 50/249** (2021.01 - EP KR US); **H01M 50/264** (2021.01 - US); **H01M 50/502** (2021.01 - KR); **H01M 50/509** (2021.01 - EP US); **H01M 50/512** (2021.01 - EP US); **H01M 50/516** (2021.01 - EP US); **H01M 50/528** (2021.01 - US); **H01M 50/533** (2021.01 - US); **H01M 50/588** (2021.01 - US); **H01M 50/593** (2021.01 - US); **B60L 50/66** (2019.01 - US); **B60L 2200/18** (2013.01 - KR); **B60Y 2200/91** (2013.01 - KR); **H01M 50/107** (2021.01 - EP); **H01M 2220/20** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR); **Y02T 10/70** (2013.01 - EP KR)

Citation (search report)  
• [X] DE 102011119253 A1 20130529 - BMZ BATTERIEN MONTAGE ZENTRUM GMBH [DE]  
• [X] WO 2014111233 A1 20140724 - CAYAGO GMBH [AT]  
• [X] US 2011177376 A1 20110721 - MAGUIRE PATRICK DANIEL [US]  
• [A] EP 2325926 A1 20110525 - SAMSUNG SDI CO LTD [KR]  
• See references of WO 2017143433A1

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)  
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DOCDB simple family (publication)  
**CA 2921925 A1 20170825**; CA 3011626 A1 20170831; CN 108495760 A 20180904; CN 108495760 B 20220311; EP 3419846 A1 20190102; EP 3419846 A4 20190130; JP 2019506714 A 20190307; JP 7016318 B2 20220204; KR 20180112861 A 20181012; US 11167631 B2 20211109; US 2021135312 A1 20210506; WO 2017143433 A1 20170831

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**CA 2921925 A 20160225**; CA 2017050218 W 20170222; CA 3011626 A 20170222; CN 201780008258 A 20170222; EP 17755670 A 20170222; JP 2018544506 A 20170222; KR 20187027118 A 20170222; US 201716074179 A 20170222