

Title (en)

SEGMENTED ELECTRODE UNIT, BATTERY AND METHOD FOR PRODUCING A SEGMENTED ELECTRODE UNIT

Title (de)

SEGMENTIERTE ELEKTRODENEINHEIT, BATTERIE UND VERFAHREN ZUM HERSTELLEN EINER SEGMENTIERTEN ELEKTRODENEINHEIT

Title (fr)

UNITÉ D'ÉLECTRODE SEGMENTÉE, BATTERIE ET PROCÉDÉ DE FABRICATION D'UNE UNITÉ D'ÉLECTRODE SEGMENTÉE

Publication

EP 3613095 A1 20200226 (DE)

Application

EP 18726921 A 20180419

Priority

- DE 102017108313 A 20170419
- DE 102017109233 A 20170428
- EP 2018059977 W 20180419

Abstract (en)

[origin: WO2018193010A1] In order to improve an electrode unit for an electrochemical cell, in particular for a battery, comprising an electrode and a current collector element, which is in areal contact with the electrode, in such a way that, in a battery, a current distribution can be measured in a spatially resolved manner, it is proposed that the current collector element comprises at least two current collector segments, which are isolated from one another, that the at least two current collector segments each have a first current collector segment contact area and that the first current collector segment contact areas are in areal contact with the electrode. Furthermore, an improved battery comprising two electrode units, which are isolated by a separator element in layer form, and also an improved method for producing an electrode unit are proposed.

IPC 8 full level

H01M 4/72 (2006.01); **H01M 10/04** (2006.01)

CPC (source: EP US)

H01M 4/13 (2013.01 - EP); **H01M 4/661** (2013.01 - EP); **H01M 4/667** (2013.01 - EP); **H01M 4/70** (2013.01 - EP); **H01M 4/72** (2013.01 - EP); **H01M 4/75** (2013.01 - EP); **H01M 10/0413** (2013.01 - EP); **H01M 10/0436** (2013.01 - EP); **H01M 10/058** (2013.01 - EP US); **H01M 10/486** (2013.01 - EP US); **H01M 2004/021** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)

See references of WO 2018193010A1

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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