



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 80 35 91

Classification of the application (IPC):

H01M 4/137, H01M 4/36, H01M 4/50, H01M 4/60, H01M 2/16, H01M 4/24, H01M 4/38, H01M 4/62, H01M 6/06, H01M 6/04, H01M 10/26, H01M 12/06, H01M 4/42

Technical fields searched (IPC):

H01M

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2015155559 A1 (ZIMMERMAN MICHAEL A [US] ET AL) 04 June 2015 (2015-06-04) * paragraphs [0110], [0117], [0158]; figure 22; example 7 *	1-15
X	US 2015280218 A1 (ZIMMERMAN MICHAEL A [US] ET AL) 01 October 2015 (2015-10-01) * example 4 *	1, 4, 7, 9, 11

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search	Date of completion of the search	Examiner
Munich	09 September 2019	Meini, Stefano

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same category
A: technological background
O: non-written disclosure
& : member of the same patent family, corresponding document

P: intermediate document
T: theory or principle underlying the invention
E: earlier patent document, but published on, or after the filing date
D: document cited in the application
L: document cited for other reasons



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 80 35 91

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 09-09-2019
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 2015155559	A1	04-06-2015	CN 106165154 A EP 3078069 A1 JP 2016540353 A JP 2019091714 A KR 20160115912 A US 2015155559 A1 US 2017338492 A1 WO 2015084940 A1	23-11-2016 12-10-2016 22-12-2016 13-06-2019 06-10-2016 04-06-2015 23-11-2017 11-06-2015
US 2015280218	A1	01-10-2015	CN 106489217 A EP 3127177 A1 JP 2017517835 A KR 20160143711 A SG 11201608197R A US 2015280218 A1 WO 2015153729 A1	08-03-2017 08-02-2017 29-06-2017 14-12-2016 28-10-2016 01-10-2015 08-10-2015