



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 87 88 98

Classification of the application (IPC):

H01L 27/11575, H01L 27/11556, H01L 27/1157, H01L 25/065, H01L 23/522,
H01L 27/11582, H01L 21/768

Technical fields searched (IPC):

H01L

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2015179564 A1 (LEE KI HONG [KR] ET AL) 25 June 2015 (2015-06-25) * paragraph [0008] - paragraph [0126]; figures 1-6 *	1-15
X	US 2014191389 A1 (LEE KI HONG [KR] ET AL) 10 July 2014 (2014-07-10) * paragraph [0019] - paragraph [0091]; figures 9-11 *	1-6, 8
X	US 2017271354 A1 (KWAK SANG HYON [KR]) 21 September 2017 (2017-09-21) * paragraph [0021] - paragraph [0116]; figures 6A-F *	1-3, 8
X	US 2015287710 A1 (YUN TAE-HWAN [KR] ET AL) 08 October 2015 (2015-10-08) * paragraph [0025] - paragraph [0100]; figures 1-6 *	1-3, 8

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 Munich	Date of completion of the search 22 October 2020	Examiner Norga, Gerd
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CATEGORY OF CITED DOCUMENTS

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|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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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 22-10-2020
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