



**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.  
This report shall be considered, for the purposes of  
subsequent proceedings, as the European search report

EP 15 84 5023

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2012/281468 A1 (LIANG QINGQING [US] ET AL) 8 November 2012 (2012-11-08)	1-9	INV. G11C11/39 H01L27/102 G11C11/402 H01L29/87
A	* paragraphs [0023] - [0032], [0045], [0048], [0049]; figures 1a-c,5,6 *	10,11,13	
X	US 2009/213648 A1 (SLESAZECK STEFAN [DE]) 27 August 2009 (2009-08-27)	1-9	
A	* paragraphs [0020] - [0034]; figures 2,3 *	10,11,13	
X	US 8 441 881 B1 (NEMATI FARID [US]) 14 May 2013 (2013-05-14) * column 3, line 6 - column 6, line 8; figures 1A-1D, 2A, 2B *	1-11,13	
X	US 2012/228629 A1 (NEMATI FARID [US] ET AL) 13 September 2012 (2012-09-13) * paragraphs [0034] - [0057], [0161] - [0208]; figures 1-3,18-31 *	1-11,13	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01L G11C
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
<b>INCOMPLETE SEARCH</b>			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search <b>Munich</b>		Date of completion of the search <b>25 September 2017</b>	Examiner <b>Mosig, Karsten</b>
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 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 ..... & : member of the same patent family, corresponding document	



**INCOMPLETE SEARCH  
SHEET C**

Application Number  
EP 15 84 5023

Claim(s) completely searchable:  
1-9

Claim(s) searched incompletely:  
10, 11, 13

Claim(s) not searched:  
12, 14

Reason for the limitation of the search:

The search has been restricted to the subject-matter indicated by the applicant in his letter of 25 July 2017 filed in reply to the invitation pursuant to Rule 62a(1) and Rule 63(1) EPC, this is device claims 1 - 9 and method claims 10, 11, 13 being read as indicated in said reply.

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 84 5023

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  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

25-09-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2012281468 A1	08-11-2012	NONE	
US 2009213648 A1	27-08-2009	NONE	
US 8441881 B1	14-05-2013	NONE	
US 2012228629 A1	13-09-2012	TW 201241928 A	16-10-2012
		US 2012228629 A1	13-09-2012
		US 2013314986 A1	28-11-2013
		US 2016078917 A1	17-03-2016
		WO 2012121845 A2	13-09-2012