

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 2013/307740 A1 (PAJONA OLIVIER [US] ET AL) 21 November 2013 (2013-11-21)	1,2,4,5	INV. H01Q3/00 H01Q7/00 H01Q25/04 H01Q1/24 H01Q3/24 H01Q9/14 H01Q5/314 H01Q5/385
Y	* paragraph [0010] * * paragraphs [0013] - [0015] * * paragraphs [0037], [0038] * * paragraph [0042] * * paragraphs [0045], [0046], [0048] * * figures 1A, 1B, 3A, 3B, 4, 5, 7 *	7,8	
X	WO 2013/005080 A1 (NOKIA CORP [FI]; KAERKINEN JOUNI VESA JUHANI [FI]; AUTTI MARKO TAPIO []) 10 January 2013 (2013-01-10) * page 10, line 22 - page 15, line 14 * * figures 1-3 *	1-4	
X	EP 2 597 724 A1 (HTC CORP [TW]) 29 May 2013 (2013-05-29)	6,9	
Y	* paragraphs [0021] - [0032] * * figures 1A, 1B *	7,8	
Y	US 2013/147672 A1 (DESCLOS LAURENT [US] ET AL) 13 June 2013 (2013-06-13) * paragraphs [0036], [0058] * * figure 12 *	7,8	
Y	JP 2012 186562 A (TOSHIBA CORP) 27 September 2012 (2012-09-27) * paragraphs [0032] - [0036] * * figures 10-12 *	7,8	
Y	US 2008/266190 A1 (OHBA ISAO [JP] ET AL) 30 October 2008 (2008-10-30) * paragraph [0030] * * paragraphs [0046], [0047] * * figures 2C, 6 *	7,8	
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 The Hague		Date of completion of the search 14 July 2017	Examiner Culhaoglu, Ali
CATEGORY OF CITED DOCUMENTS		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	
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			

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

EP 14 90 2918

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.

14-07-2017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2013307740	A1	21-11-2013	NONE	

WO 2013005080	A1	10-01-2013	CN 103636061 A	12-03-2014
			EP 2729985 A1	14-05-2014
			US 2014152522 A1	05-06-2014
			WO 2013005080 A1	10-01-2013

EP 2597724	A1	29-05-2013	CN 103138042 A	05-06-2013
			EP 2597724 A1	29-05-2013
			TW 201322543 A	01-06-2013
			US 2013135157 A1	30-05-2013
			US 2015349408 A1	03-12-2015

US 2013147672	A1	13-06-2013	NONE	

JP 2012186562	A	27-09-2012	JP 5422587 B2	19-02-2014
			JP 2012186562 A	27-09-2012

US 2008266190	A1	30-10-2008	JP 2008278219 A	13-11-2008
			US 2008266190 A1	30-10-2008
