

**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

Application Number  
EP 14 88 1934

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 2011/051906 A1 (CIOFFI JOHN M [US] ET AL) 3 March 2011 (2011-03-03) * paragraphs [0014], [0038] - [0040], [0071] - [0072] *	1-13	INV. H04M3/56 H04M3/00
X	WO 2006/048770 A1 (ED ADAPTIVE SPECTRUM AND SIGNA [US]; RHEE WONJONG [US]; CHEN CHIANG-YU) 11 May 2006 (2006-05-11) * page 4, line 20 - page 5, line 19 * * page 12, lines 18-27 *	1-13	
A,D	Itu-T: "ITU-T Handshake procedures for digital subscriber line transceivers, G.994.1",  13 June 2012 (2012-06-13), XP055390677, Retrieved from the Internet: URL:http://www.itu.int/rec/T-REC-G.994.1-2 01206-I [retrieved on 2017-07-13] * the whole document *	1-13	
			TECHNICAL FIELDS SEARCHED (IPC)
			H04M H04L
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 <b>The Hague</b>		Date of completion of the search <b>13 July 2017</b>	Examiner <b>Mukasa, Oliver</b>
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.**

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

13-07-2017

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			EP 1820313 A1	22-08-2007
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