



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 16 89 53 13

### Classification of the application (IPC):

H04M 17/02, H04W 4/24, H04M 15/00, H04M 17/00, H04L 12/14, H04L 12/00,  
H04W 4/00

### Technical fields searched (IPC):

H04M, H04W

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	US 2009047926 A1 (MASTRANTUONO DOMENICO [IT] ET AL) 19 February 2009 (2009-02-19) * paragraph [0037] - paragraph [0073] * * figures 1-9 * * paragraph [0111] - paragraph [0129] *	1-17
Y	US 2004062371 A1 (MAROPIS SAMUEL GEORGE [US] ET AL) 01 April 2004 (2004-04-01) * paragraph [0024] *	2
Y	US 8660521 B1 (DANIEL JOHN SCOTT [US] ET AL) 25 February 2014 (2014-02-25) * column 2, line 1 - line 6 * * column 8, line 22 - line 44 *	1-17

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 17 September 2019	Examiner Patlaka, Efi
------------------------------	---	--------------------------

### CATEGORY OF CITED DOCUMENTS

- |   |  |
|---|--|
| 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                        |
| A: technological background   | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure   | D: document cited in the application                                   |
| & : member of the same patent family, corresponding document                    | L: document cited for other reasons                                    |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 16 89 53 13

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 17-09-2019  
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 2009047926 A1	19-02-2009	AU 2008203860 A1	05-03-2009
		BR PI0803400 A2	22-04-2009
		CA 2638617 A1	17-02-2009
		CN 101370060 A	18-02-2009
		EP 2026552 A1	18-02-2009
		HK 1122677 A1	28-10-2016
		US 2009047926 A1	19-02-2009
US 2004062371 A1	01-04-2004	AU 8006500 A	23-04-2001
		US 6785372 B1	31-08-2004
		US 2002061092 A1	23-05-2002
		US 2004062371 A1	01-04-2004
		US 2004228461 A1	18-11-2004
		US 2007121851 A1	31-05-2007
		WO 0128220 A1	19-04-2001
US 8660521 B1	25-02-2014	US 8660521 B1	25-02-2014
		US 2014179268 A1	26-06-2014
		US 2016323459 A1	03-11-2016