

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Classification of the application (IPC): *H04J 3/06*

Technical fields searched (IPC): H04J, G06F

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
х	WO 2015096041 A1 (HUAWEI TECH CO LTD [CN])	1, 8	
A	02 July 2015 (2015-07-02)	2-7, 9-14	
A	* page 1, line 16 - line 24 *	2-7, 9-14	
	* page 2, line 1 - line 18 *		
	* page 4, line 21 - page 5, line 1 *		
	* page 5, line 14 - page 6, line 5 *		
	* page 7, line 15 - line 20 *		
	* page 8, line 14 - line 20 *		
	* page 10, line 15 - line 22 *		
	& US 2016308633 A1 (LIU FAN [CN] ET AL) 20 October 2016 (2016-10-20)		
	* paragraph [0005] - paragraph [0010] *		
	* paragraph [0027] *		
	* paragraph [0037] *		
	* paragraph [0048] - paragraph [0049] *		
	* paragraph [0053] - paragraph [0054] *		
	* paragraph [0064] - paragraph [0065] *		
А	US 2014286357 A1 (SHENOI KISHAN [US] ET AL)	1-14	
	25 September 2014 (2014-09-25)		
	* paragraph [0002] *		
	* paragraph [0008] - paragraph [0010] *		
	* paragraph [0038] *		
	* paragraph [0047] *		
	* paragraph [0059] *		
A	US 7451337 B1 (HEWITT LARRY D [US]) 11 November 2008 (2008-11-11)	1-14	
	* column 1, line 10 - line 27 *		
	* column 1, line 58 - column 2, line 12 *		
	* column 7, line 23 - line 62 *		
	* figures 3,4 *		

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 January 2019	Examiner Marongiu, M						
The Tlague	14 January 2019	Maroligiu, M						
CATEGORY OF CITED DOCUMENTS								
X: particularly relefant if taken alone Y : particularly relefant if combined with another	P: intermediate docume T: theory or principle u							
document of the same category	E: earlier patent docum	ent, but published on, or after the filing date						
A: technological background	D: document cited in the	e application						

- D: document cited in
 - L: document cited for other reasons

&: member of the same patent family, corresponding document 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.

O: non-written disclosure

EP 3 404 866 A4



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number: EP 16 89 30 63

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim		
A	US 2013089170 A1 (CHIESA LUCA DELLA [IT] ET AL) 11 April 2013 (2013-04-11) * paragraph [0002] * * paragraph [0015] * * paragraph [0022] *	1-14		

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 January 2019	_{Examiner} Marongiu, M					
CATEGORY OF CITED DOCUMENTS							
X: particularly relefant if taken alone							

- A: technological background O: non-written disclosure
- & : member of the same patent family, corresponding 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

© 2019 org.epo.publication.KlausBaumeister xsl stylesheet v0.9.3SRnfp

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.

EP 3 404 866 A4



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number: EP 16 89 30 63

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 14-01-2019 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
WO 2015096041	A1	02-07-2015	CN EP US WO	103959688 A 3076572 A1 2016308633 A1 2015096041 A1	30-07-2014 05-10-2016 20-10-2016 02-07-2015
US 2014286357	A1	25-09-2014	NONE		
US 7451337	B1	11-11-2008	NONE		
US 2013089170	A1	11-04-2013	EP US WO	2764644 A1 2013089170 A1 2013052226 A1	13-08-2014 11-04-2013 11-04-2013

For more details about this annex: see Official Journal of the European Patent Office, No. 12/82

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.