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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 81 42 36

Classification of the application (IPC):
G06F 3/041, G06F 3/048

Technical fields searched (IPC):
G06Q

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 6743171 B1 (BOWLES HENRY M [US] ET AL) 01 June 2004 (2004-06-01) * abstract; claims 1-14 *	1-15
A	EP 1301117 A2 (COGNIFIT LTD NAIOT [IL]) 16 April 2003 (2003-04-16) * paragraph [0030] - paragraph [0102] *	1-15
A	US 4770636 A (BUSCHKE HERMAN [US]) 13 September 1988 (1988-09-13) * column 2 - column 8; claims 1-15 *	1-15
A	DE 102014208711 A1 (SMITHS HEIMANN GMBH [DE]) 12 November 2015 (2015-11-12) * paragraph [0004] - paragraph [0088] *	1-15
A	WO 2011042703 A1 (UNIV EDINBURGH [GB]; MACLULLICH ALASDAIR [GB] ET AL.) 14 April 2011 (2011-04-14) * page 3 - page 30 *	1-15
A	US 2013243208 A1 (FAWER MARK S [US]) 19 September 2013 (2013-09-19) * figure 3 *	1-15
A	US 2016125748 A1 (ASHFORD JOHN WESSON [US]) 05 May 2016 (2016-05-05) * claims 1-7 *	1-15
A	US 2009267777 A1 (KUMAR AJITH KUTTANNAIR [US] ET AL) 29 October 2009 (2009-10-29) * paragraph [0006] - paragraph [0033] *	1-15
A	US 4755140 A (RIMLAND BERNARD [US]) 05 July 1988 (1988-07-05) * abstract *	1-15

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 Munich	Date of completion of the search 17 February 2020	Examiner Lavin Liermo, Jesus
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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

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**ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT**

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EP 17 81 42 36

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 17-02-2020
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6743171	B1	01-06-2004	NONE	
EP 1301117	A2	16-04-2003	AT 481926 T AU 6940601 A EP 1301117 A2 ES 2352415 T3 US 6632174 B1 WO 0205247 A2	15-10-2010 21-01-2002 16-04-2003 18-02-2011 14-10-2003 17-01-2002
US 4770636	A	13-09-1988	NONE	
DE 102014208711	A1	12-11-2015	DE 102014208711 A1 EP 3140642 A1 US 2017270764 A1 WO 2015169954 A1	12-11-2015 15-03-2017 21-09-2017 12-11-2015
WO2011042703	A1	14-04-2011	EP 2485645 A1 US 2012271194 A1 WO 2011042703 A1	15-08-2012 25-10-2012 14-04-2011
US 2013243208	A1	19-09-2013	US 2013243208 A1 WO 2013142302 A1	19-09-2013 26-09-2013
US 2016125748	A1	05-05-2016	NONE	
US 2009267777	A1	29-10-2009	US 2009267777 A1 US 2011205070 A1	29-10-2009 25-08-2011
US 4755140	A	05-07-1988	NONE	