



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 77 97 86

Classification of the application (IPC):
G06Q 10/06, G06F 16/20, G06Q 30/02

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 9275059 B1 (VIJENDRA SUDHIR [US] ET AL) 01 March 2016 (2016-03-01) * the whole document *	1-14
X	US 2013332460 A1 (PAPPAS DEREK EDWIN [US] ET AL) 12 December 2013 (2013-12-12) * the whole document *	1-14
X	US 2014156806 A1 (KARPISTSENKO ANDRE [EE] ET AL) 05 June 2014 (2014-06-05) * the whole document *	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 31 October 2019	Examiner van der Weiden, Ad
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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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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 31-10-2019
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 9275059	B1	01-03-2016	<i>NONE</i>	
US 2013332460	A1	12-12-2013	US 2013332460 A1	12-12-2013
			US 2014095463 A1	03-04-2014
US 2014156806	A1	05-06-2014	US 2014156806 A1	05-06-2014
			US 2017300540 A1	19-10-2017
			US 2019324972 A1	24-10-2019