



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 82 83 84

Classification of the application (IPC):
G06F 40/174, G06Q 40/00, G06Q 10/10

Technical fields searched (IPC):
G06F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	US 7343551 B1 (BOURDEV LUBOMIR D [US]) 11 March 2008 (2008-03-11) * column 5, line 36 - column 6, line 5 * * column 20, line 6 - line 64 *	1-22
Y	US 7765097 B1 (YU JAY JIE-BING [US] ET AL) 27 July 2010 (2010-07-27) * column 1, line 20 - line 30 * * column 1, line 51 - column 2, line 33 * * column 5, line 22 - column 6, line 3 *	1-22

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 Berlin	Date of completion of the search 10 March 2020	Examiner Abram, Robert
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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 10-03-2020
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 7343551	B1	11-03-2008	US	7343551 B1	11-03-2008
			US	8234561 B1	31-07-2012
US 7765097	B1	27-07-2010	NONE		