Europäisches Patentamt
European Patent Office
Office européen des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 90 33 05

Classification of the application (IPC):
G06F 16/35*, *G06F 7/00

Technical fields searched (IPC):
G06Q, G06F

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2007100843 A1 (CHEN DANIEL Q [US] ET AL) 03 May 2007 (2007-05-03) * paragraph [0004] - paragraph [0006] * * paragraph [0027] - paragraph [0032] * * paragraph [0047] *	1-15
X	US 2015227531 A1 (KULESZA TODD DAVID [US] ET AL) 13 August 2015 (2015-08-13) * paragraph [0042] - paragraph [0046] * * paragraph [0087] *	1-15
X	US 2010161694 A1 (SUDHI SURAJ [IN]) 24 June 2010 (2010-06-24) * paragraph [0002] - paragraph [0006] * * paragraph [0016] - paragraph [0021] * * figure 2 *	1-15
X	KR 20150063898 A (JO SEONG MIN [KR]) 10 June 2015 (2015-06-10) * the whole document *	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	Date of completion of the search	Examiner
The Hague	15 April 2019	Boubal, François

CATEGORY OF CITED DOCUMENTS

X: particularly relefant if taken alone
Y : particularly relefant if combined with another document of the same category
A: technological background
O: non-written disclosure
P: intermediate 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
& : 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.

EP 3 465 415 A4

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

Europäisches Patentamt
European Patent Office
Office européen des brevets

ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 90 33 05

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 15-04-2019
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 2007100843 A1	03-05-2007	CN 1952938 A US 2007100843 A1	25-04-2007 03-05-2007
US 2015227531 A1	13-08-2015	US 2015227531 A1 WO 2015119980 A1	13-08-2015 13-08-2015
US 2010161694 A1	24-06-2010	*NONE*	
KR 20150063898 A	10-06-2015	*NONE*	

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.

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