



- (51) International Patent Classification: *G06Q 10/10* (2012.01) *G06Q 50/10* (2012.01)
- (21) International Application Number: PCT/US2013/076682
- (22) International Filing Date: 19 December 2013 (19.12.2013)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 13/722,980 20 December 2012 (20.12.2012) US
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[Continued on next page]

(54) Title: SUGGESTING RELATED ITEMS

(57) Abstract: Recommendations, such as recipients and attachments, are determined from content that is associated with a message item. A user may enter one or more: recipients; attachments; and message content for the message that may be used in determining recommendations. Keywords may also be identified by analyzing the content of the message to determine recommended content/recipients. Behavior patterns may also be used to determine recommendations. The recommended users/content of a message may be obtained from a messaging program, a local data store, a network data store, a cloud service, and the like. The recommended items (e.g. users/content) determined from analyzing the content are displayed such that they may be used by the user when editing the message item. The recommended items may be ranked by relevancy using metrics such as keywords, people, time last viewed and use patterns.



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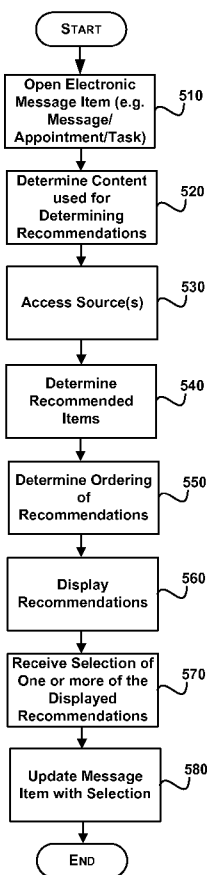


FIG. 5



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EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

**(81) Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

**(84) Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

**Published:**

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

**(88) Date of publication of the international search report:**

6 November 2014

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2013/076682****A. CLASSIFICATION OF SUBJECT MATTER****G06Q 10/10(2012.01)i, G06Q 50/10(2012.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

G06Q 10/10; G06F 15/16; none ; H04L 12/58; G06F 17/60; G06F 13/00; G06Q 50/10

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models  
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: recommend, electronic message, attachment, item, potential

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-036234 A (SHARP CORP.) 07 February 2003 See abstract, paragraphs [0012], [0111], [0114]-[0115], [0124]-[0125], [0151], [0168]-[0169], [0172], [0187], claim 1 and figures 3-4, 22-24.	1-10
Y	US 2012-0278406 A1 (JOSHUA ADAM MEISELS et al.) 01 November 2012 See abstract, paragraphs [0015], [0017], [0030], claims 1, 6, 17 and figures 1-5.	1-10
Y	WO 2012-162548 A2 (GOOGLE INC. et al.) 29 November 2012 See abstract, paragraphs [0005], [0023] and claim 20.	3,5,10
A		1-2,4,6-9
A	JP 2011-186666 A (HITACHI LTD.) 22 September 2011 See abstract, paragraphs [0020]-[0026], [0032]-[0036], [0046]-[0048], claims 1-3, 5 and figures 1, 3, 10, 12, 14.	1-10
A	JP 2005-070933 A (NEC SOFT LTD.) 17 March 2005 See abstract, claims 1-3 and figures 1-3.	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

16 September 2014 (16.09.2014)

Date of mailing of the international search report

**16 September 2014 (16.09.2014)**

Name and mailing address of the ISA/KR

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2013/076682**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2003-036234 A	07/02/2003	JP 04526215 B2	18/08/2010
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