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[Continued on next page]

(54) Title: RECIPIENT SUGGESTION SYSTEM

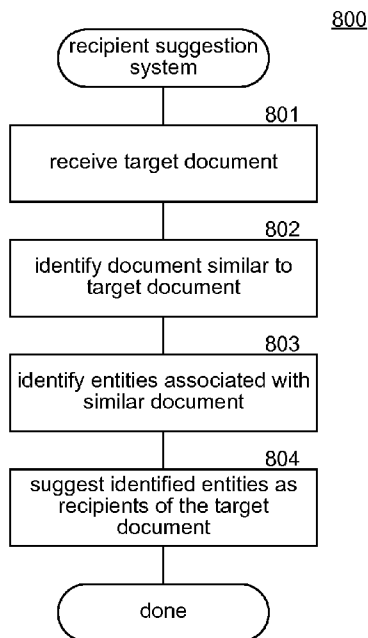
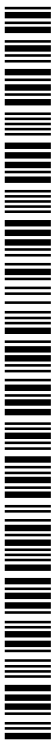


FIG. 8

(57) Abstract: A system that suggests recipients for a target document based on similarity of document data is provided. The system receives an indication of the target document. The system identifies documents that are similar to the target document based on a comparison of document data of the target document to document data of documents in a corpus of documents. The system then identifies entities associated with the identified documents. The system then suggests that one or more of the identified entities be considered as recipients for the target document. The system may also suggest recipients based on a recipient query. When a response to a prompt for a recipient does not match an entity in an address store, the system identifies an entity to suggest by using the response as a recipient query to identify an entity that matches the recipient query.



TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, 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).

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))*

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- *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))*

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER INV. G06Q10/10 ADD.		
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		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2012/260188 A1 (PARK SEUNG-HAE [US] ET AL) 11 October 2012 (2012-10-11)	1-4,9,10
Y	abstract; figures 1-8 paragraph [0001] - paragraph [0005] paragraphs [0014] - [0071] - paragraphs -----	8
X	WO 00/17781 A1 (TACIT KNOWLEDGE SYSTEMS [US]; GILMOUR DAVID L [US]; WANG HUA WEN [US]) 30 March 2000 (2000-03-30) paragraphs [0011] - [0012], [0039]; figures 1-5, 18C -----	1-4,9,10
X	US 2009/157828 A1 (AGRAWAL SUMIT KUMAR [IN]) 18 June 2009 (2009-06-18)	5-7
Y	paragraph [0030] - paragraph [0051]; figures 1-2 -----	8
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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		"T" 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 "&" document member of the same patent family
Date of the actual completion of the international search 1 September 2015		Date of mailing of the international search report 10/09/2015
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Diaz Calvo, Sonia

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2015/018220

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2015/018220

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2012260188	A1	11-10-2012	NONE
WO 0017781	A1	30-03-2000	AU 5786099 A 10-04-2000
			EP 1121650 A1 08-08-2001
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			US 2014006452 A1 02-01-2014
			WO 0017781 A1 30-03-2000
US 2009157828	A1	18-06-2009	NONE

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4, 9, 10

System which identifies potential recipients for a target document by identifying similar documents to the target document .

2. claims: 5-8

Method which identifies recipients for a target document by determining a recipient address which matches a user entry.
