

(51) International Patent Classification:
G06F 17/30 (2006.01)(21) International Application Number:
PCT/US2013/077350(22) International Filing Date:
21 December 2013 (21.12.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/725,437 21 December 2012 (21.12.2012) US(71) Applicant: MICROSOFT CORPORATION [US/US];
One Microsoft Way, Redmond, WA 98052-6399 (US).

(72) Inventors: BUCHMUELLER, Daniel; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, WA 98052-6399 (US). ITAY, Meir, Ben; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, WA 98052-6399 (US). LIU, Min; c/o Microsoft Corporation, LCA - International Pat-

ents, One Microsoft Way, Redmond, WA 98052-6399 (US). SAURA, Jose; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, WA 98052-6399 (US).

(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,

[Continued on next page]

(54) Title: SEARCH RESULTS THROUGH INTEREST CIRCLES

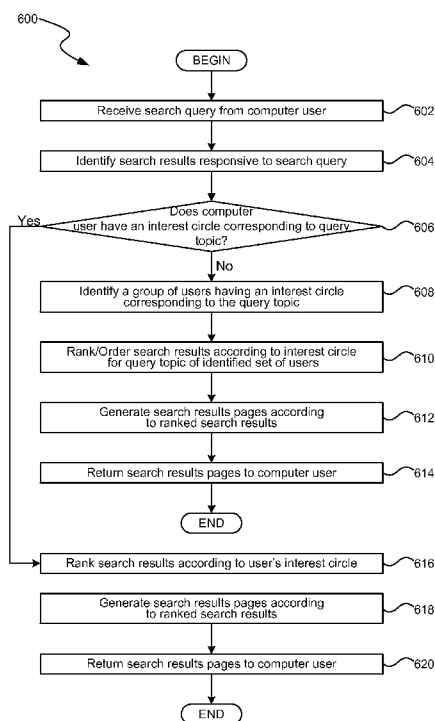


FIG. 6

(57) Abstract: Systems, methods, and computer readable media for responding to a search query with search results ranked according to interest circles of a plurality of computer users are presented. Interest circles are formed from a computer user's navigation data, including the computer user's navigation history. A search query is received from a requesting computer user. The search query is directed to a query topic or set of query topics. A set of search results responsive to the search query are obtained. A plurality of computer users, each of the plurality of computer users having an established interest circle corresponding to the query topic, is identified. The set of search results are then ordered according to the interest circles of the identified plurality of computer users. Thereafter, the higher ordered search results are returned to the requesting computer user in response to the search query.



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))*

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))*

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

9 October 2014

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/077350

A. CLASSIFICATION OF SUBJECT MATTER
INV. G06F17/30
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)
G06F

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7 603 350 B1 (GUHA RAMANATHAN [US]) 13 October 2009 (2009-10-13) figures 3,4,5 column 4, line 33 - line 53 column 8, line 23 - column 10, line 51 column 6, line 12 - line 30 -----	1-10
X	US 2009/204599 A1 (MORRIS MEREDITH JUNE [US] ET AL) 13 August 2009 (2009-08-13) paragraphs [0045] - [0047]; figures 7,8 -----	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

"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

8 August 2014

Date of mailing of the international search report

18/08/2014

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

Michalski, Stéphane

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2013/077350

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 7603350	B1	13-10-2009	US 7603350 B1	13-10-2009
			US 8352467 B1	08-01-2013

US 2009204599	A1	13-08-2009	CN 101946249 A	12-01-2011
			EP 2255305 A1	01-12-2010
			JP 5474833 B2	16-04-2014
			JP 2011512597 A	21-04-2011
			US 2009204599 A1	13-08-2009
			WO 2009102391 A1	20-08-2009
