(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 20 October 2005 (20.10.2005)

(51) International Patent Classification: G06Q 30/00 (2006.01) G06F 7/00 (2006.01)

(21) International Application Number:

PCT/US2005/010840

(22) International Filing Date: 30 March 2005 (30.03.2005)

(25) Filing Language: **English**

(26) Publication Language: English

(30) Priority Data:

31 March 2004 (31.03.2004) 10/813,925 US

(71) Applicant (for all designated States except US): GOOGLE, INC. [US/US]; 1600 Amphitheatre Parkway, Mountain View, CA 94043 (US).

(72) Inventors; and

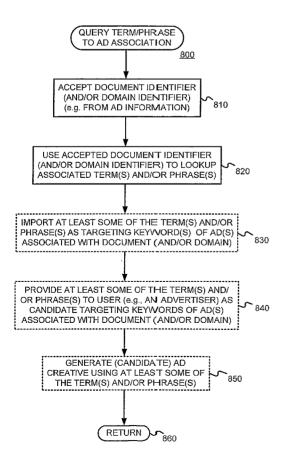
(75) Inventors/Applicants (for US only): AGARWAL, Sumit [US/US]; 399 Ashford Avenue, San Carlos, CA 94070 (US). RENAKER, Pearl [US/US]; 161 Anderson Street, San Francisco, CA 94110 (US). SMITH, Adam [US/US]; 680 Mission Street 20S, San Francisco, CA 94105 (US).

(10) International Publication Number WO 2005/098713 A3

- (74) Agent: POKOTYLO, John, C.; Straub & Pokotylo, 620 Tinton Avenue, Bldg. B, 2nd Floor, Tinton Falls, NJ 07724-3260 (US)
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DETERMINING AD TARGETING INFORMATION AND/OR AD CREATIVE INFORMATION USING PAST SEARCH QUERIES



(57) Abstract: Ad information, such as ad targeting keywords and/or ad creative content for example, may be determined using aggregated selected document-to-query information associations. For example, popular terms and/or phrases also associated with a selected document may be used as ad targeting keywords and/or ad creative content for an ad having the document as a landing page. Query information may be tracked on a per document level, a per domain level, etc. The determined ad information may be used to automatically populate an ad record, or may be provided to an advertiser as suggested or recommended ad information.

WO 2005/098713 A3



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

$(88)\;\; Date \; of \; publication \; of the international search report:$

3 May 200

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/10840

A. CLASSIFICATION OF SUBJECT MATTER IPC: G06Q 30/00(2006.01),G06F 7/00				
USPC: 705/14,707/3,4 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) U.S.: 705/14; 707/3, 4				
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)				
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
Х	US 6,421,675 B1 (RYAN et al.) 16 July 2002, whol	e document	1-72	
Y	US 6,282,567 B1 (FINCH, II et al.) 28 August 2001, whole document.		1-72	
X,E	US 6,907,566 B1 (MCELFRESH et al.) 14 June 2005, whole document.		1-72	
Y, E	US 7,007,014 B2 (LIU et al.) 28 February 2006, whole document		1-72	
Y,E	US 7,054,857 B2 (CUNNINGHAM et al.) 30 May 2006, whole document.		1-72	
Y,E US 7,007,008 B2 (GOEL et al.) 28 February 2006, w		hole document	1-72·	
Further	documents are listed in the continuation of Boy C	See patent family annex.		
Further documents are listed in the continuation of Box C. * Special categories of cited documents:		"T" later document published after the intern	national filing date or priority	
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application principle or theory underlying the inven-	tion but cited to understand the	
"E" earlier application or patent published on or after the international filing date		"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		
"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)		"Y" document of particular relevance; the cleonsidered to involve an inventive step		
"O" document referring to an oral disclosure, use, exhibition or other means		obvious to a person skilled in the art		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report		
22 January 2007 (22.01.2007)		Authorized officer	*****	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US		•		
Commissioner for Patents		Yehdega Retta		
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. (571) 272-3600		
Facsimile No. (571) 273-3201				