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- (71) **Applicant (for all designated States except US):**
ALIBABA GROUP HOLDING LIMITED [—US];
Fourth Floor, One Capital Place, P.O. Box 847, Grand Cay-
man (KY).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** **JIN, Huaxing**
[CN/CN]; c/o Alibaba Group Legal Department, 10/f,
Building A, The West Lake International, Plaza Of S&t,
No.391 Wen'er Road, Hangzhou, 310013 (CN). **ZHENG,
Wei** [CN/CN]; c/o Alibaba Group Legal Department, 10/f,
Building A, The West Lake International, Plaza Of S&t,
No.391 Wen'er Road, Hangzhou, 310013 (CN). **HUANG,
Peng** [CN/CN]; c/o Alibaba Group Legal Department,
10/f, Building A, The West Lake International, Plaza Of
S&t, No.391 Wen'er Road, Hangzhou, 310013 (CN). **YANG, Xu**
[CN/CN]; c/o Alibaba Group Legal Department, 10/f, Building A,
The West Lake International, Plaza Of S&t, No.391 Wen'er Road,
Hangzhou (CN). **LIN, Feng** [CN/CN]; c/o Alibaba Group Legal Department, 10/f,
Building A, The West Lake International, Plaza Of S&t,
No.391 Wen'er Road, Hangzhou, 310013 (CN). **FENG,
Jiong** [CN/CN]; c/o Alibaba Group Legal Department,

10/f, Building A, The West Lake International, Plaza Of
S&t, No.391 Wen'er Road, Hangzhou, 310013 (CN). **ZHANG, Qin**
[CN/CN]; c/o Alibaba Group Legal Department, 10/f, Building A,
The West Lake International, Plaza Of S&t, No.391 Wen'er Road,
Hangzhou, 310013 (CN).

- (74) **Agents:** **DIVINE, David, A.** et al; Lee & Hayes, PLLC,
601 W. Riverside Ave, Suite 1400, Spokane, WA 99201
(US).
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(54) **Title:** METHOD AND APPARATUS OF ORDERING SEARCH RESULTS

(57) **Abstract:** Ordering search results may include obtaining an exposed log file from a log system, computing a Bayesian posterior probability for relevancy between the log file and a search request, computing an expected value of the relevancy between the log file and the search request based on the Bayesian posterior probability, storing the search request and an identifier of the log file as a key and the expected value of the relevancy between the log file and the search request as a value into a search data structure, in response to receiving a search request submitted by a user, finding expected values of relevancy between the submitted search request and log files that are relevant to the submitted search request from the search data structure, and ordering the found log files in a descending order of the expected values.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 11/53290

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - G06F 7/00, G06F 17/30 (2011.01)
 USPC - 707/731

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)
 USPC.707/731

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 USPC.707/705, 706, 722, 723, 731 (keyword limited; terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 Electronic Database Searched: PubWEST (PGPB, USPT, EPAB, JPAB), Google Scholar
 Search Terms Used: search, query, term, word, request, keyword, log, history, record, server, website, webpage, site, web, access, usage, file, result, compute, calculate, determination, identify, relevance, probability, likelihood, relate, relationship, connect, ass

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/0125570 A 1 (Chapelle et al.) 20 May 2010 (20.05.2010), see entire document; especially para 10039>[0040], (0053H0054), [0075]-[0092], [0095]-[0101], [0107], [0129]-[0132], Fig. 1-5	1-12, 14-20
Y		13
Y	US 2010/0205172 A 1 (Luk) 12 August 2010 (12.08.2010), see para (0014), [0034]-[0035], [0039J], [0043]	13
A	US 2010/0138410 A 1 (Liu et al.) 03 June 2010 (03.06.2010), see entire document	1-20
A	US 2010/0082566 A 1 (Wang et al.) 01 April 2010 (01.04.2010), see entire document	1-20
A	US 2006/006441 1 A 1 (Gross et al.) 23 March 2006 (23.03.2006), see entire document	1-20

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search	Date of mailing of the international search report
06 December 2011 (06.12.2011)	16 DEC 2011

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