

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	David Anthony Hawking	
	Art Unit		
	Examiner Name	Not Yet Assigned	
	Attorney Docket Number	14917.2724US01/358916.01	

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	2	7849063	B2	2010-12-07	Stata, et al.	
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	2	20140074845	A1	2014-03-13	Dimassimo, et al.	

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3	20150206070	A1	2015-07-23	Kulkarni, et al.
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FOREIGN PATENT DOCUMENTS

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	1	ZHONG, et al., "A Design of the Inverted Index Based on Web Document Comprehending", In Journal of Computers, Volume 6, Number 4, April 2011, 7 pages.	
	2	"Cleo: Flexible, partial, out-of-order and real-time typeahead search", Published on: December 24, 2011 Available at: http://tm.durusau.net/?p=19651 , 2 pgs.	
	3	GAO, et al., "Semantic Search Based on SVO Constructions in Chinese", In Proceedings of International Conference on Web Information Systems and Mining, November 07, 2000, pp. 213-216.	
	4	HU, et al., "Speeding Up QA: An Index Structure for Question Queries", In Proceedings of Canadian Conference on Electrical and Computer Engineering, April 22, 2007, 4 pages.	
	5	TUREL, ANIL, "A New Approach to Search Result Clustering and Labeling", In Master's Thesis, August, 2011, 81 pages.	

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6	RISVIK, et al., "Maguro, a system for indexing and searching over very large text collections", In Proceedings of the sixth ACM international conference on Web search and data mining, February 04, 2013, 10 pages.
7	BRIN, et al., "The Anatomy of a Large-Scale Hypertextual Web Search Engine", In Journal of Computer Networks and ISDN Systems, Volume 30, Issue 1-7, April 01, 1998, 18 pages.
8	"MSIT – 109 Information Organization And Retrieval", Retrieved on: November 24, 2015 Available at: http://164.100.133.129:81/eCONTENT/Uploads/MSIT-109-IR.pdf , 317 pgs.

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EXAMINER SIGNATURE

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Jason E. Becker/	Date (YYYY-MM-DD)	2016-02-01
Name/Print	Jason E. Becker	Registration Number	66632

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
15/012,684	02/01/2016	2161	1600	14917.2724US01/358916.01	20	3

CONFIRMATION NO. 3442

27488

MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

FILING RECEIPT



0000000080673347

Date Mailed: 02/19/2016

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

David Anthony Hawking, Canberra, AUSTRALIA;
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Applicant(s)

Microsoft Technology Licensing, LLC, Redmond, WA;

Assignment For Published Patent Application

Microsoft Technology Licensing, LLC, Redmond, WA

Power of Attorney: The patent practitioners associated with Customer Number 27488

Domestic Applications for which benefit is claimed - None.

A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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Permission to Access Search Results: Yes

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If Required, Foreign Filing License Granted: 02/17/2016

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/012,684**

Projected Publication Date: 08/03/2017

Non-Publication Request: No

Early Publication Request: No
Title

LOW LATENCY PRE-WEB CLASSIFICATION

Preliminary Class

707

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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