IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Control No.	: 90/011,014	Art Unit	: 3992
Patent No.	: 5,832,494	Examiner	: Joshua D. Campbell
Filed	: May 26, 2010	Conf. No.	: 6009

Title: METHOD AND APPARATUS FOR INDEXING, SEARCHING, AND DISPLAYING DATA

37 C.F.R. § 1.132 DECLARATION OF PAUL S. JACOBS

I, Paul S. Jacobs, declare as follows:

1. My name is Paul S. Jacobs. I am the Founder and President of Jake Technologies, Inc. My business address is 27 Logan Circle NW #14, Washington, DC 20005. I understand that my declaration is being submitted in connection with the above-referenced reexamination proceeding pending in the United States Patent and Trademark Office.

I. Qualifications, Background, and Experience

2. I received a Bachelor of Science in Applied Mathematics from Harvard University in 1981, a Master of Science in Applied Mathematics from Harvard University in 1981, and a Ph.D. in Computer Science from the University of California at Berkeley in 1985.

3. I have authored or co-authored over 50 scientific and technical publications, I am listed as an inventor on two U.S. patents directed to computational lexicons, and I have over 25 years of experience in the computer and information retrieval industry.

4. I have served in numerous professional and scientific capacities, including one year as a visiting professor of computer science at the University of Pennsylvania and several years as a member of the executive committee of the Association for Computational Linguistics. Currently, I serve on the Public Policy Council of the Association for Computing Machinery (USACM). I am currently a technology consultant and an adjunct lecturer at the University of

EXHIBIT 2018

12. It is also my understanding that, on January 25, 2011, the USPTO issued an Office Action in this *Ex Parte* Reexamination Proceeding ("the Office Action"). In the Office Action, claims 1-3, 5, 7-16, 18-21, 23-25 and 31-33 of the '494 patent stand rejected under 35 U.S.C. § 102(b) as anticipated, and/or under 35 U.S.C. § 103(a) as obvious over the references identified in the Office Action.

13. I have read and understand the '494 patent, its prosecution history and the references cited in the '494 patent. I have read and understand the Request, the Order granting the Request, the Office Action, and the references cited in these documents. The documents and other materials that I have reviewed and relied upon in preparing this Declaration are listed in Exhibit 2J.

14. I was asked to consider and address the rejections raised by the USPTO in the Office Action in my declaration. I understand that the Office Action has grouped the rejections into six issues:

Issue 1 – Claims 1-3 and 5 in view of Lucarella

Issue 2 – Claim 12-16 in view of Baase

Issue 3 – Claims 18-21 in view of Fox

Issue 4 – Claims 23-25 and 31-33 in view of Frei & Stieger

Issue 5 – Claims 7-11 in view of Lucarella and Doyle

Issue 6 – Claims 18, 20, and 21 in view of Egger (US Patent Number 5,544,352)

EXHIBIT 2J

List of References Consulted

U.S. Patent No. 5,832,494, to Daniel Egger, et al.	
File History of U.S. Patent No. 5,832,494 and cited references	
Request for *Ex Parte* Reexamination, filed May 25, 2010, Control No. 90/011,014	
Non-Final Office Action, mailed Jan. 25, 2011	
R.A. Botafogo and B. Shneiderman, "Identifying Aggregates in Hypertext Structures," Hypertext '91 Proceedings, December 1991, pp.63-74	APPENDIX C to Request
R.A. Botafogo, "Cluster Analysis for Hypertext Systems," ACMSIGIR'93, Vol. 6, pp. 116-125, 199	APPENDIX D to Request
H.P. Frei and D. Stieger, "Making Use of Hypertext Links when Retrieving Information," ACM, 1992	APPENDIX E to Request
S. Baase, Computer Algorithms: Introduction to Design and Analysis, 2nd Edition, Addison-Wesley Publishing Co., 1988	APPENDIX F to Request
D. Lucarella, "A Model for Hypertext-Based Information Retrieval," Proceedings of the ECHT'90, Cambridge University Press, N. Streitz, A. Rizk and J. Andre, eds., pp. 81-94, November 1990	APPENDIX G to Request
E. Fox, "Extending the Boolean and Vector Space Models of Information Retrieval with P-Norm Queries and Multiple Concept Types," Cornell University, 1983 ("*Fox 1983*")	APPENDIX H to Request
B.R. Schatz and J.B. Hardin, "NCSA Mosaic and the World Wide Web: Global Hypermedia Protocols for the Internet," Science, Vol. 265, Aug. 12, 1994 ("*Schatz & Hardin 1994*")	APPENDIX I to Request

U.S. Patent No. 5,838,906 to Michael D. Doyle, et al., Issued November 17, 1998 ("*Doyle*")	APPENDIX J to Request
V-SEARCH PUBLISHER'S TOOLKIT USER'S MANUAL 4, Fig.3 (1995)	Exhibit 3J
Exhibit A to Parties' Local Patent Rule 4-3 Joint Claim Constructions and Supporting Evidence, *Software Rights Archive, LLC, v. Google*	Exhibit 4J
Application No. 08/649,304: Information Disclosure Statement, January 27, 1998	Exhibit 5J
Belew, R. "A Connectionist Approach to Conceptual Information Retrieval", ICAIL '87 (1987)	Exhibit 6J
Rose & Belew, "Legal Information Retrieval: A Hybrid Approach", ICAIL '89 (1989)	Exhibit 7J
ISI collection and documents obtained from ftp://ftp.cs.cornell.edu/pub/smart/	Exhibit 8J
CACM collection and documents obtained from ftp://ftp.cs.cornell.edu/pub/smart/	Exhibit 9J
E. Fox, Characterization of Two New Experimental Collections in Computer and Information Science Containing Textual and Bibliographic Concepts, Cornell Report 83-561, 1983 ("*Fox Collections*")	Exhibit 10J
Gerard Salton, "Associative Document Retrieval Techniques Using Bibliographic Information," Journal of the ACM 10 (4) pp. 440-57, 1963	Exhibit 11J
G. Salton and Y. Zhang, Enhancement of text representations using related document titles. *Information Processing & Management, Volume 22, Issue 5, 1986,* pp. 385-394.	Exhibit 12J
G. Salton, J. Allan, C. Buckley, and A. Singhal. Automatic analysis, theme generation, and	Exhibit 13J

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