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Form PTO-1595		09-27-2004		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
				SHEET	
		102845330		Attorney's Docket No. 0026-0057	
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original document(s) or copy(ies) thereof.					
1. Name of conveying party(ies): Jeremy Bem Georges R. Harik Joshua L. Levenberg Noam Shazeer Simon Tong Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies):  Name: Google Inc.  Internal Address:   Address: 1600 Amphitheatre Parkway Mountain View, CA 94043  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  Execution Dates: <u>November 13 and 14, 2003</u>					
4. Application number(s) or patent number(s):  If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/706,991 B. Patent No.(s)  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Paul A. Harrity  Address: HARRITY & SNYDER, L.L.P. 11240 Waples Mill Road Suite 300 Fairfax, Virginia 22030  Customer Number 44989			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorization to be charged to deposit account, if necessary. 8. Deposit account number:  50-1070		
DO NOT USE THIS SPACE					
9. Signature.  <div style="display: flex; justify-content: space-between;"><div>Paul A. Harrity Name of Person Signing</div><div>Reg. No. <u>39,574</u> Signature</div><div> Signature</div><div><u>September 22, 2004</u> Date</div></div> Total number of pages including cover sheet, attachments, and document: <u>3</u>					

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**ASSIGNMENT  
(Joint)  
Worldwide Rights**

THIS ASSIGNMENT, by Jeremy Bem, Georges R. Harik, Joshua L. Levenberg, Noam Shazeer, and Simon Tong residing at 1636 ½ 63<sup>rd</sup> Street, Berkeley, California 94703; 900 High School Way, #2307, Mountain View, California 94041; 141 Wellesley Crescent Circle, #308, Redwood City, California 94062; 796 Escondido Road, Apt. 8A, Stanford, California 94305 and 541 Del Medio Avenue, Apt. 319, Mountain View, California 94040

(hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in RANKING DOCUMENTS BASED ON LARGE DATA SETS set forth in an application for Letters Patent of the United States,

- (1) ☐ which is a provisional application  
(a) ☐ filed herewith; or  
(b) ☐ bearing Application No., and filed on; or
- (2) ☒ which is a non-provisional application  
(a) ☐ having an oath or declaration executed on even date herewith prior to filing of application;  
(b) ☒ bearing Application No. 10/706,991, and filed on November 14, 2003; or  
(c) ☐ filed herewith; and

WHEREAS, Google Inc., a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 2400 Bayshore Parkway, Mountain View, California 94043 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, provisional applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions,

without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of Harrity & Snyder, L.L.P. of Fairfax, Virginia to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Jeremy Bem  
Jeremy Bem

Date: 11/13/03

Georges R. Harik  
Georges R. Harik

Date: 11/14/03

Joshua L. Levenberg  
Joshua L. Levenberg

Date: 11/13/2003

Noam Shazeer  
Noam Shazeer

Date: 11/14/2003

Simon Tong  
Simon Tong

Date: 11/13/03

Karen Robertson  
Witness Name

K. Ruth  
Witness Signature

Karen Robertson  
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K. Ruth  
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