Form PTO-1595 (Rev. 03-11) DMB No. 0661-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCE United States Palant and Trademark Office		
RECORDATION FOR			
PATENTS			
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.		
1. Name of conveying party(ies):	2. Name and address of receiving party(les)		
Northbrook Digital Corporation	Name: Google Inc.		
	Internal Address:		
Additional name(s) of conveying party(les) attached? Yes X No	Street Address:		
3. Nature of conveyance/Execution Date(s):			
Execution Date(s): July 21, 2011	1600 Amphitheatre Parkway		
X Assignment Merger Change of Name			
Security Agreement Joint Research Agreement	City: Mountain View		
Government Interest Assignment	State: California		
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 94043		
Other	Additional name(s) & address(es) Yes X No		
	attached?		
A. Patent Application No.(s) 13/478,504 Additional numbers attached:	B. Patent No.(s) Yes X No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name: Andrew T. Zidel LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address: Atty. Dkt.: GOOGLE 3.0-462 CCPCCCCIICIC Street Address: 600 South Avenue West	X Authorized to be charged to deposit account Enclosed None required (government Interest not affecting title)		
City: Westfield	8. Payment Information		
State: NJ ZIp: 07090			
Phone Number: 908-654-5000			
Fax Number: 908-654-7866	Deposit Account Number 12-1095 Authorized User Name Andrew T. Zidel		
Email Address: ataylor@ldlkm.com	Andrew 1. Zidel		
9. Signature:	June 11, 2012		
Signature Side 45 056	Tetal sumbas of season includion payor		
Andrew T, Zidel - 45,256 Name of Person Signing	sheet, attachments, and documents:		

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PATENT REEL: 028389 FRAME: 0568

EXHIBIT C2

ASSIGNMENT OF PATENT RIGHTS

THIS ASSIGNMENT OF PATENT RIGHTS (the "Assignment") is executed, acknowledged and delivered by Northbrook Digital Corporation, a Minnesota Corporation, with its principal place of business at 1076 Tamberwood Court, Woodbury, MN 55125 ("Assignor"), in accordance with, and pursuant to the terms and conditions of the Patent Purchase Agreement having an Effective Date of July 21, 2011 (the "Agreement") between Assignor, as Seller and Google Inc., a Delaware corporation, with its principal place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("Assignee"). Capitalized terms used herein and not expressly defined shall have the meaning ascribed to such terms in the Agreement.

"Listed Patents" means the provisional patent applications, patent applications, and patents identified as Lot B as listed on Exhibit A.

"Patents" means, all (a) Listed Patents; (b) patents or patent applications (i) to which any of the Listed Patents claims priority, (ii) for which any of the Listed Patents forms a basis for priority, (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Listed Patents, and/or (iv) which are subject to a terminal disclaimer with any of the Listed Patents; (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a) and (b); (d) national (of any country of origin) and multinational patents, patent applications and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention and utility models; and (e) any items in any of the foregoing categories (b) through (d) whether or not expressly listed as Listed Patents and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor agrees to and does hereby irrevocably sell, assign, transfer and convey unto said Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest (i) in and to the Patents, the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; (ii) in and to causes of action and enforcement rights for the Patents including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patents; and (iii) to apply in any and all countries for the world for patents; certificates of invention or other governmental grants for the Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patents in the name of Assignee, as the assignee to the entire interest therein.

Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

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This Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.

This Assignment shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of California, without giving effect to the conflict of laws rules thereof.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of this

21 day of July 2011

ASSIGNOR:

Northbrook/Digital/Comporation

Title: CEO

NOTARIZATION MUST BE ON THIS PAGE

Subscribed and sworn to before me this $\frac{21}{2}$ day of $\frac{21}{2}$

(Notarial Scal)

Signature: audilyam Kapeny.

Notary Public

AUDREY ANN KAPING NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES 01/31/2013

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PATENT REEL: 028389 FRAME: 0570

Patent No.	Application No.	Country		Title
			LOTB .	.
7467137		US	System and method for information retrieval employing a preloading procedure	
7103594		US	System and method for information retrieval employing a preloading procedure	
6604103		US	System and method for information retrieval employing a preloading procedure	
6301576		US	Document retrieval system for retrieval of a first search document and a last search document from database	
*6151603		US	Document retrieval system employing a preloading procedure	
5946682		US	Document retrieval system and method employing a preloading procedure	
* 5715445	,	US	Document retrieval system employing a preloading procedure	
1. M. (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	12/335,862	us	System and method for improved information retrieval	
	12/182,124	us	System and method for improved Information retrieval	

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PATENT REEL: 028389 FRAME: 0571

RECORDED: 06/11/2012