

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Madhukar N. THAKUR</td> <td>11/30/2011</td> </tr> <tr> <td>Alon ALTMAN</td> <td>11/30/2011</td> </tr> </tbody> </table>		Name	Execution Date	Madhukar N. THAKUR	11/30/2011	Alon ALTMAN	11/30/2011				
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Alon ALTMAN	11/30/2011										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>GOOGLE INC.</td> </tr> <tr> <td>Street Address:</td> <td>1600 Amphitheatre Parkway</td> </tr> <tr> <td>City:</td> <td>Mountain View</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94043</td> </tr> </table>		Name:	GOOGLE INC.	Street Address:	1600 Amphitheatre Parkway	City:	Mountain View	State/Country:	CALIFORNIA	Postal Code:	94043
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CORRESPONDENCE DATA											
<p>Fax Number: (949)851-9348          Phone: 9498510633          Email: AFredericks@mwe.com, MWEIPDOCKET@mwe.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Andrew D. Mickelsen          Address Line 1: 18191 Von Karman Avenue          Address Line 2: Suite 500          Address Line 4: Irvine, CALIFORNIA 92612</p>											
ATTORNEY DOCKET NUMBER:	087868-0338										
NAME OF SUBMITTER:	Andrew D. Mickelsen, Reg. No. 50,957										
Total Attachments: 2 source=087868-0338_Assignment#page1.tif source=087868-0338_Assignment#page2.tif											

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ASSIGNMENT

For valuable consideration, we, Madhukar N. THAKUR of 5998 Pala Mesa Drive, San Jose, CA 95123 and Alon ALTMAN of 541 Del Medio Avenue, Apt. 309, Mountain View, CA 94040, hereby assign to: Google Inc., a corporation of Delaware having a place of business at: 1600 Amphitheatre Parkway, Mountain View, California 94043; and its successors and assigns (collectively hereinafter called “the Assignee”), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled **NETWORK ADDRESS CLUSTERING** filed January 13, 2012, and assigned U.S. Serial Number 13/350,630, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors’ certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.



\_\_\_\_\_  
Madhukar N. THAKUR

Witnessed by:

Date: November 30, 2011

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address



\_\_\_\_\_  
Alon ALTMAN

Witnessed by:

Date: 2011-11-30

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Typed or Printed Name

\_\_\_\_\_  
Witness Address