

## PATENT ASSIGNMENT

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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>Shoumen Saha</td> <td>06/06/2008</td> </tr> <tr> <td>Jesse Shieh</td> <td>08/04/2008</td> </tr> <tr> <td>Jon Snitow</td> <td>06/06/2008</td> </tr> </tbody> </table>		Name	Execution Date	Shoumen Saha	06/06/2008	Jesse Shieh	08/04/2008	Jon Snitow	06/06/2008
Name	Execution Date								
Shoumen Saha	06/06/2008								
Jesse Shieh	08/04/2008								
Jon Snitow	06/06/2008								
RECEIVING PARTY DATA									
Name:	Google Inc.								
Street Address:	1600 Amphitheatre Parkway								
City:	Mountain View								
State/Country:	CALIFORNIA								
Postal Code:	94043								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13619012</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13619012				
Property Type	Number								
Application Number:	13619012								
CORRESPONDENCE DATA									
Fax Number:	8777697945								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Address Line 4:	Minneapolis, MINNESOTA 55440-1022								
ATTORNEY DOCKET NUMBER:	16113-1139002								
NAME OF SUBMITTER:	Matthew J. Mattson								
<p>Total Attachments: 14          source=161131139002Assignment#page1.tif          source=161131139002Assignment#page2.tif</p>									

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NUNC PRO TUNC ASSIGNMENT

For valuable consideration, we,

Jesse Shieh, of 5565 Tenbury Way, Alpharetta, Georgia 30022;

Shoumen Saha, of 324A Connecticut Street, San Francisco, California 94107;

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 the following applications:

United States Provisional Patent Application No. 60/835,861 filed August 7, 2006;

United States Provisional Patent Application No. 60/863,600 filed October 31, 2006;

United States Utility Patent Application No. 11/756,852 filed June 1, 2007;

United States Utility Patent Application No. 11/756,926 filed June 1, 2007;

United States Utility Patent Application No. 11/756,960 filed June 1, 2007;

United States Utility Patent Application No. 11/756,867 filed June 1, 2007;

Patent Cooperation Treaty Application No. PCT/US2007/017503 filed August 7, 2007; and

Patent Cooperation Treaty Application No. PCT/US2007/017502 filed August 7, 2007;

For valuable consideration I,

Jun Yang, of 11587 Copper Spring Court, Cupertino, California 95014, hereby assign to **Assignee**, the entire right, title and interest throughout the world in the inventions and improvements which are subject of the following applications:

United States Provisional Patent Application No. 60/835,861 filed August 7, 2006;

United States Provisional Patent Application No. 60/863,600 filed October 31, 2006;

United States Utility Patent Application No. 11/756,852 filed June 1, 2007;

United States Utility Patent Application No. 11/756,960 filed June 1, 2007;

United States Utility Patent Application No. 11/756,867 filed June 1, 2007; and

Patent Cooperation Treaty Application No. PCT/US2007/017503 filed August 7, 2007;

I, Jon Snitow, of 4012 Farm Hill Boulevard, Redwood City, California 94061, hereby assign to **Assignee**, the entire right, title and interest throughout the world in the inventions and improvements which are subject of the following applications:

United States Provisional Patent Application No. 60/835,861 filed August 7, 2006;

United States Provisional Patent Application No. 60/863,600 filed October 31, 2006;

United States Utility Patent Application No. 11/756,852 filed June 1, 2007;

United States Utility Patent Application No. 11/756,926 filed June 1, 2007;

United States Utility Patent Application No. 11/756,960 filed June 1, 2007;

Patent Cooperation Treaty Application No. PCT/US2007/017503 filed August 7, 2007; and

Patent Cooperation Treaty Application No. PCT/US2007/017502 filed August 7, 2007;

We, Alan Kobrin, of 1600 Amphitheatre Parkway, Mountain View, California 94043;

Vikaram K. Gupta, of 1600 Amphitheatre Parkway, Mountain View, California 94043;

Lilly Christine Irani, of 770 Capp Street, San Francisco, California 94110;

Michael Horowitz, of 800 19th Street, Manhattan Beach, CA 90266;

Jill A. Huchital, of 12278 Beauchamps Lane, Saratoga, California 95070; hereby assign to **Assignee**, the entire right, title and interest throughout the world in the inventions and improvements which are subject of the following applications:

United States Provisional Patent Application No. 60/835,861 filed August 7, 2006; and

United States Provisional Patent Application No. 60/863,600 filed October 31, 2006;

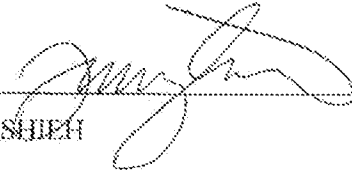
We, Steven L. Goldberg, of 495 Shelford Avenue, San Carlos, CA 94070;

Brian Singerman, of 100 Roanoke Street, San Francisco, CA 94131; hereby assign to **Assignee**, the entire right, title and interest throughout the world in the inventions and improvements which are subject of the following application:

United States Provisional Patent Application No. 60/863,600 filed October 31, 2006;

**effective nunc pro tunc as of June 1, 2007**, this assignment including said applications, 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 I authorize the Assignee to apply in all countries in my 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 I agree for me and my 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.

  
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JESSE SHIEH

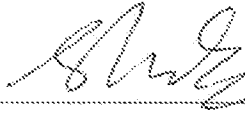
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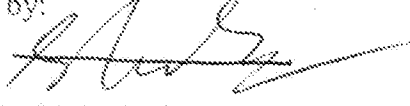
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Typed or Printed Name

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Witness Address



SHOUMEN SAHA

Witnessed by:

~~Alan Kobern~~ ck 6/6  


Date:

6/4/08

Signature

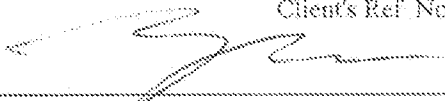
Alan Kobern ck 6/6  
~~SHOUMEN SAHA~~

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JUN YANG

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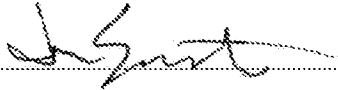
Alan Kobrin  
Signature

Date: 5/27/2008

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1600 Amphitheatre Pkwy  
Mountain View CA 94043  
Witness Address



  
.....  
JON SNITOW

Witnessed by:

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Signature

Date: June 6, 2008

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ALAN KORBIN

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Date: May 27, 2008

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11587 COPPER SPRING CT.  
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*V. K. Gupta*

VIKARAM K. GUPTA

Witnessed by:

*[Handwritten Signature]*

Signature

Date: *June 21, 2007*

*Abraham L. Jones*

Typed or Printed Name

*55 BIRDS ST.*

*POORHOOD, NSW 2021 AUSTRALIA*

Witness Address

.....  
LILLY CHRISTINE IRANI

Witnessed by:

.....  
Signature

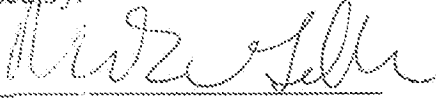
Date: .....

.....  
Typed or Printed Name

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Witness Address

  
MICHAEL HOROWITZ

Witnessed by:



Signature

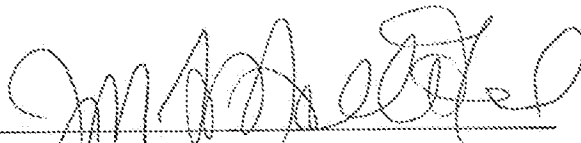
Date: 6/5/08

MARK GELLER

Typed or Printed Name

12112 TEXAS AVE. #304  
LOS ANGELES, CA 90025

Witness Address

  
\_\_\_\_\_  
JILL A. HUCHITAL

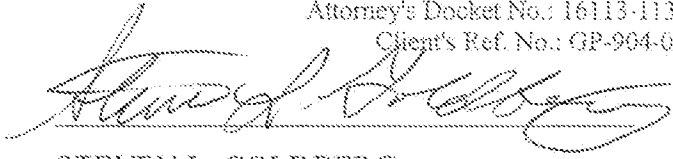
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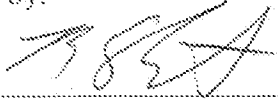
Brandon Pearcy  
\_\_\_\_\_  
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#1014 20350 Stevens Creek Blvd.  
Cupertino, CA 95014  
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STEVEN L. GOLDBERG

Witnessed by:



Signature

Date: 6/19/08

RAJEN SHETH

Typed or Printed Name

5591 Ridgewood Dr.  
Fremont, CA 94555

Witness Address

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BRIAN SINGERMAN

Witnessed by:

.....  
Signature

Date: .....

.....  
Typed or Printed Name

.....  
Witness Address