

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3988073

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the THE NAME OF RICHARD C. GOSSWEILER III RECORDED FOR SER. 15/167,116 previously recorded on Reel 039059 Frame 0127. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MEHRAN SAHAMI	05/14/2007
RICHARD C. GOSSWEILER III	05/11/2011
Manish G. Patel	05/18/2007
JOHN BLACKBURN	05/25/2007
David A. Brown	05/07/2007
Neha Gupta	05/07/2007
Thomas H. Taylor	05/25/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Google Inc.
<b>Street Address:</b>	1600 Amphitheatre Parkway
<b>City:</b>	Mountain View
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15167116
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(612) 766-2066
<b>Email:</b>	glaeser@fr.com, apsi@fr.com
<b>Correspondent Name:</b>	CHRISTOPHER C. HOFF
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	16113-0318003
<b>NAME OF SUBMITTER:</b>	SHANNON GLAESER

PATENT

<b>SIGNATURE:</b>	/Shannon Glaeser/
<b>DATE SIGNED:</b>	08/02/2016
<b>Total Attachments: 7</b> source=Corrective Assignment#page1.tif source=Corrective Assignment#page2.tif source=Corrective Assignment#page3.tif source=Corrective Assignment#page4.tif source=Corrective Assignment#page5.tif source=Corrective Assignment#page6.tif source=Corrective Assignment#page7.tif	

**PATENT ASSIGNMENT COVER SHEET**


Electronic Version v1.1

Stylesheet Version v1.2

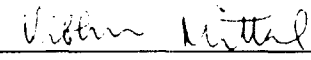
<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Mehran Sahami</td><td>05/14/2007</td></tr><tr><td>Richard C. Gossweiler</td><td>05/11/2007</td></tr><tr><td>Manish G. Patel</td><td>05/18/2007</td></tr><tr><td>John Blackburn</td><td>05/25/2007</td></tr><tr><td>David A. Brown</td><td>05/07/2007</td></tr><tr><td>Neha Gupta</td><td>05/07/2007</td></tr><tr><td>Thomas H. Taylor</td><td>05/25/2007</td></tr></tbody></table>	Name	Execution Date	Mehran Sahami	05/14/2007	Richard C. Gossweiler	05/11/2007	Manish G. Patel	05/18/2007	John Blackburn	05/25/2007	David A. Brown	05/07/2007	Neha Gupta	05/07/2007	Thomas H. Taylor	05/25/2007	
Name	Execution Date																
Mehran Sahami	05/14/2007																
Richard C. Gossweiler	05/11/2007																
Manish G. Patel	05/18/2007																
John Blackburn	05/25/2007																
David A. Brown	05/07/2007																
Neha Gupta	05/07/2007																
Thomas H. Taylor	05/25/2007																
<b>RECEIVING PARTY DATA</b>																	
<table border="1"><tr><td><b>Name:</b></td><td>Google Inc.</td></tr><tr><td><b>Street Address:</b></td><td>1600 Amphitheatre Parkway</td></tr><tr><td><b>City:</b></td><td>Mountain View</td></tr><tr><td><b>State/Country:</b></td><td>CALIFORNIA</td></tr><tr><td><b>Postal Code:</b></td><td>94043</td></tr></table>	<b>Name:</b>	Google Inc.	<b>Street Address:</b>	1600 Amphitheatre Parkway	<b>City:</b>	Mountain View	<b>State/Country:</b>	CALIFORNIA	<b>Postal Code:</b>	94043							
<b>Name:</b>	Google Inc.																
<b>Street Address:</b>	1600 Amphitheatre Parkway																
<b>City:</b>	Mountain View																
<b>State/Country:</b>	CALIFORNIA																
<b>Postal Code:</b>	94043																
<b>PROPERTY NUMBERS Total: 1</b>																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td><b>Application Number:</b></td><td>15167116</td></tr></tbody></table>	Property Type	Number	<b>Application Number:</b>	15167116													
Property Type	Number																
<b>Application Number:</b>	15167116																
<b>CORRESPONDENCE DATA</b>																	
<p><b>Fax Number:</b> (877)769-7945 <b>Phone:</b> (612) 766-2066 <b>Email:</b> glaeser@fr.com, apsi@fr.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i></p> <p><b>Correspondent Name:</b> CHRISTOPHER C. HOFF <b>Address Line 1:</b> FISH &amp; RICHARDSON P.C. <b>Address Line 2:</b> P.O.BOX 1022 <b>Address Line 4:</b> MINNEAPOLIS, MINNESOTA 55440-1022</p>																	
<b>ATTORNEY DOCKET NUMBER:</b>	16113-0318003																
<b>NAME OF SUBMITTER:</b>	SHANNON GLAESER																
<b>Signature:</b>	/Shannon Glaeser/																
<b>Date:</b>	06/30/2016																
<b>PATENT</b>																	
<b>REEL: 039536 FRAME: 0867</b>																	

ASSIGNMENT

For valuable consideration, we, MEHRAN SAHAMI of 3950 El Cerrito Rd., Palo Alto, CA 94306, RICHARD C. GOSSWEILER III of 986 Alpine Terrace, #4, Sunnyvale, CA 94086, MANISH G. PATEL of #4014, 100 N. Whisman Road, Mountain View, CA 94043, JOHN BLACKBURN of 14259 SE 83rd Street, Newcastle, WA 98059, DAVID A. BROWN of 286 Vincent Drive, Mountain View, CA 94041, NEHA GUPTA of 365 Sun Ridge Lane, San Jose, CA 95123, THOMAS H. TAYLOR of 6308 227th Ave NE, Redmond, WA 98053, of, 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 HEAD END GENERALIZATION, filed 4/30/2007, and assigned U.S. Serial Number 11/742,460, 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 ourselves 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.

  
MEHRAN SAHAMI

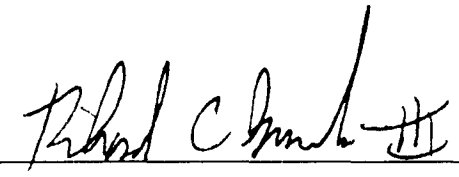
Witnessed by:

  
Signature

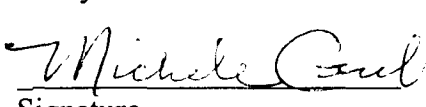
Date: 14 APR 07

Vikram Mittal  
Typed or Printed Name

4087 Cune St  
Palo Alto, CA 94306  
Witness Address

  
RICHARD C. GOSSWEILER III


Witnessed by:

  
Signature

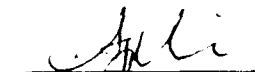
Date: 11 MAY 07

Michele Correll  
Typed or Printed Name

2150 Ogden Ave  
Palo Alto, CA 94306  
Witness Address

  
\_\_\_\_\_  
MANISH G. PATEL

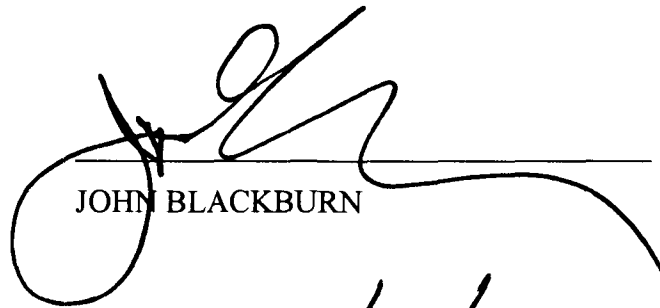
Witnessed by:

  
\_\_\_\_\_  
Signature

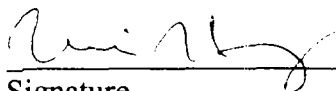
Date: 5/18/07

Alyson Makishima  
Typed or Printed Name

4783 Lyric Lane  
San Jose, Ca 95111  
Witness Address

  
\_\_\_\_\_  
JOHN BLACKBURN

Witnessed by:

  
\_\_\_\_\_  
Signature

Date: 5/25/2007

Wei Huang  
Typed or Printed Name

2225 E North St  
Seattle, WA 98122  
Witness Address

  
DAVID A. BROWN

Witnessed by:

  
Signature

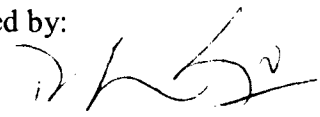
Date: 5/7/07

Lazarus Marhenke  
Typed or Printed Name

814 W. Grant Pl.  
San Mateo, CA 94402  
Witness Address

  
NEHA GUPTA

Witnessed by:

  
Signature

Date: 5/7/07

Tagarathi Venkata Nageswar Rao  
Typed or Printed Name

1555 W Middlefield Rd, Apt 43  
Mountain View, CA 94043  
Witness Address

Thomas H. Taylor

THOMAS H. TAYLOR

Witnessed by:

Wen Huang  
Signature

Date: 5/25/07

Wen Huang  
Typed or Printed Name

2225 E. North St  
Seattle, WA 98112  
Witness Address



**Total Attachments: 5**

source=Executed Assignment#page1.tif  
source=Executed Assignment#page2.tif  
source=Executed Assignment#page3.tif  
source=Executed Assignment#page4.tif  
source=Executed Assignment#page5.tif

**RECEIPT INFORMATION**

**EPAS ID:** PAT3944419

**Receipt Date:** 06/30/2016