

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3852629

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
David C. Sehr	10/10/2013
J. Bradley Chen	07/26/2013
Bennet S. Yee	07/26/2013
Robert Muth	07/26/2013
Jan Voung	09/25/2013
Derek L. Schuff	07/26/2013
<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:	15082162
<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) 766-2018
<b>Email:</b>	apsi@fr.com, glaeser@fr.com
<b>Correspondent Name:</b>	NICHOLAS STEPHENS
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
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<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	16113-4529002
<b>NAME OF SUBMITTER:</b>	SHANNON GLAESER
<b>SIGNATURE:</b>	/Shannon Glaeser/
<b>DATE SIGNED:</b>	04/29/2016

**Total Attachments: 2**

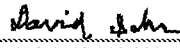
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source=Executed Assignment#page2.tif

### ASSIGNMENT


For valuable consideration, we, David C. Sehr of Cupertino, CA; J. Bradley Chen of Los Gatos, CA; Bennet S. Yee of Mountain View, CA; Robert Muth of New York, NY; Jan Vounq of Oakland, CA; and Derek L. Schuff of Sunnyvale, CA, hereby assign to Google Inc., a corporation organized under the laws of Delaware having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043, and its successors and assigns (collectively, "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are the subject or subjects of a patent application naming us as inventor(s), with United States application or PCT international application number 13/751,729 and a filing date of January 28, 2013. This assignment includes 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. 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.

Dated: Oct 10, 2013

  
David Sehr (Oct 10, 2013)

David C. Sehr

Dated: Jul 26, 2013

  
J. Bradley Chen (Jul 26, 2013)

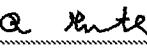
J. Bradley Chen

Dated: Jul 26, 2013

  
Bennet Yee (Jul 26, 2013)

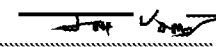
Bennet S. Yee

Dated: Jul 26, 2013

  
Robert Muth (Jul 26, 2013)


Robert Muth

Dated: Sep 25, 2013

  
Jan W. Young (Sep 25, 2013)

Jan Young

Dated: Jul 26, 2013

  
Derek L. Schuff (Jul 26, 2013)

Derek L. Schuff

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