

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>Dan Popovici</td> <td>11/29/2011</td> </tr> <tr> <td>Jeremy D. Hoffman</td> <td>11/29/2011</td> </tr> </tbody> </table>		Name	Execution Date	Dan Popovici	11/29/2011	Jeremy D. Hoffman	11/29/2011				
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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: 8777697945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (202) 626-7703 Email: apsi@fr.com Correspondent Name: I-Wei Hsieh Address Line 1: FISH & RICHARDSON P.C. Address Line 2: P.O.BOX 1022 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>											
ATTORNEY DOCKET NUMBER:	16113-3526001										
NAME OF SUBMITTER:	Lori L. Stewart										
<p>Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif</p>											

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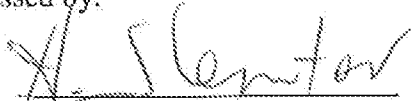
ASSIGNMENT

For valuable consideration, we, DAN POPOVICI of 22560 Poppy Drive, Cupertino, CA 95014, and JEREMY D. HOFFMAN of 114 Oak Haven Place, Mountain View, CA 94041, 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 REMOVING SUBSTITUTION RULES, filed January 3, 2012, and assigned U.S. Serial Number 13/342,560, 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.



DAN POPOVICI

Witnessed by:



Signature

Date: 11/29/2011

HADAR SHECHTOV

Typed or Printed Name

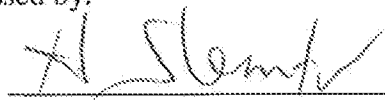
167 BRYANT ST.
PALO ALTO, CA 94301

Witness Address



JEREMY D. HOFFMAN

Witnessed by:



Signature

Date: 11/29/2011

HADAR SHECHTOV

Typed or Printed Name

167 BRYANT ST.
PALO ALTO, CA 94301

Witness Address

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