

## 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>Kai Chen</td> <td>06/19/2013</td> </tr> <tr> <td>Xiaodan Song</td> <td>06/19/2013</td> </tr> <tr> <td>Gregory S. Corrado</td> <td>06/19/2013</td> </tr> <tr> <td>Kun Zhang</td> <td>06/25/2013</td> </tr> <tr> <td>Jeffrey A. Dean</td> <td>06/19/2013</td> </tr> <tr> <td>Bahman Rabii</td> <td>06/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kai Chen	06/19/2013	Xiaodan Song	06/19/2013	Gregory S. Corrado	06/19/2013	Kun Zhang	06/25/2013	Jeffrey A. Dean	06/19/2013	Bahman Rabii	06/19/2013
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<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: (650) 839-5070        Email: apsi@fr.com        Correspondent Name: Michael Portnov        Address Line 1: FISH &amp; RICHARDSON P.C.        Address Line 2: P.O.BOX 1022        Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>															
ATTORNEY DOCKET NUMBER:	16113-4691001														

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NAME OF SUBMITTER:	Marcos Vera
Signature:	/Marcos Vera/
Date:	06/25/2013
Total Attachments: 2 source=16113-4691001#page1.tif source=16113-4691001#page2.tif	

ASSIGNMENT

WHEREAS, we, Kai Chen of 10 Huckleberry Court, Brisbane, CA 94005;  
Xiaodan Song of 1262 Notting Hill Drive, San Jose, CA 95131; Gregory S. Corrado of  
274A Connecticut Street, San Francisco, CA 94107; Kun Zhang of 4275 Cambridge  
Way, Union City, CA 94587; Jeffrey A. Dean of 995 Matadero Avenue, Palo Alto, CA  
94306; and Bahman Rabii of 3215 Folsom Street, San Francisco, CA 94110, 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 13/802,184 and a filing date  
of March 13, 2013. 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 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: Jun 19, 2013

  
Kai Chen (Jun 19, 2013)

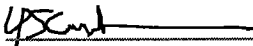
Kai Chen

Dated: Jun 19, 2013

  
Xiaodan Song (Jun 19, 2013)


Xiaodan Song

Dated: Jun 19, 2013

  
Gregory S. Corrado (Jun 19, 2013)

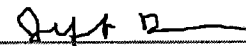
Gregory S. Corrado

Dated: Jun 25, 2013

  
Kun Zhang (Jun 25, 2013)


Kun Zhang

Dated: Jun 19, 2013

  
Jeff Dean (Jun 19, 2013)

Jeffrey A. Dean

Dated: Jun 19, 2013

  
Bahman Rabii (Jun 19, 2013)

Bahman Rabii

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