

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>Hyung-Jin Kim</td> <td>02/06/2013</td> </tr> <tr> <td>Paul Haahr</td> <td>02/06/2013</td> </tr> <tr> <td>Kien Ng</td> <td>02/07/2013</td> </tr> <tr> <td>Chung Tin Kwok</td> <td>02/06/2013</td> </tr> <tr> <td>Moustafa A. Hammad</td> <td>02/06/2013</td> </tr> <tr> <td>Sushrut Karanjkar</td> <td>02/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	Hyung-Jin Kim	02/06/2013	Paul Haahr	02/06/2013	Kien Ng	02/07/2013	Chung Tin Kwok	02/06/2013	Moustafa A. Hammad	02/06/2013	Sushrut Karanjkar	02/06/2013
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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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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>13731354</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13731354										
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CORRESPONDENCE DATA															
Fax Number: 8777697945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (404) 724-2788 Email: apsi@fr.com Correspondent Name: Christopher D. Wright Address Line 1: FISH & RICHARDSON P.C. Address Line 2: P.O.BOX 1022 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022															
ATTORNEY DOCKET NUMBER:	16113-4286001														

NAME OF SUBMITTER:

Kathy J. Bell

Total Attachments: 8

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ASSIGNMENT

For valuable consideration, we, HYUNG-JIN KIM of 1035 Lassen Terrace, Sunnyvale, CA 94086, PAUL HAAHR of 4019 Cesar Chavez Street, San Francisco, CA 94131, KIEN NG of 74 Kennedy Road, Apt. 901, Bamboo Grove, Wanchai, Hong Kong, CHUNG TIN KWOK of 2390 W. Middlefield Road, Apt. 17, Mountain View, CA 94043, MOUSTAFA A. HAMMAD of 4616 Jacksol Drive, San Jose, CA 95124, SUSHRUT KARANJKAR of 34028 Webfoot Loop, Fremont, CA 94555, 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 DETERMINING A QUALITY MEASURE FOR A RESOURCE, filed 12/31/2012, and assigned U.S. Serial Number 13/731,354, and U.S. Provisional Application entitled DETERMINING A QUALITY MEASURE FOR A RESOURCE, filed November 30, 2012, and assigned U.S. Provisional No. 61/731,936; 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.


HYUNG-JIN KIM

Witnessed by:



Signature

Date: 2/6/2013

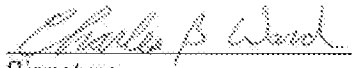
ALEKSANDR GRUSHETSKY

Typed or Printed Name

2222 RASPBERRY LN
MOUNTAIN VIEW, CA, 94043
Witness Address


PAUL HAAHR

Witnessed by:


Signature

Date: 2/6/2013

Charles B. Ward
Typed or Printed Name

20 Descenso Dr. Unit 1414
San Jose, CA 95134
Witness Address

KIEN NG

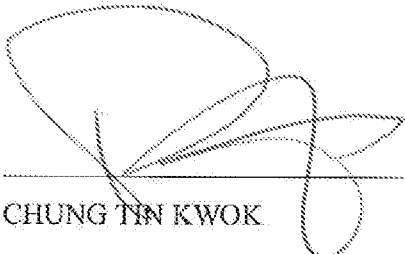
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Date: _____

Signature

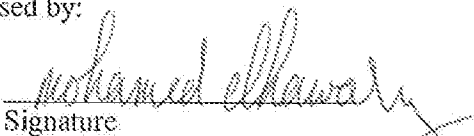
Typed or Printed Name

Witness Address



CHUNG TIN KWOK

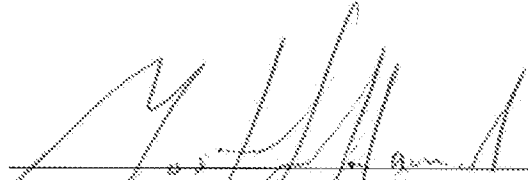
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Signature

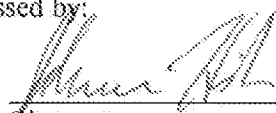
Date: 2/16/2013

MOHAMED ELHAWARY
Typed or Printed Name

4217 Indigo Oak Ct
San Jose, CA 95121
Witness Address


MOUSTAFA A. HAMMAD

Witnessed by:


Signature

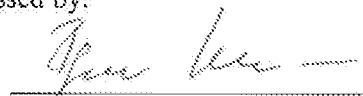
Date: 2/6/13

Johnson Ta-Chung Hsieh
Typed or Printed Name

3131 Terrywood Ct
San Jose, CA 95132
Witness Address


SUSHRUT KARANIKAR

Witnessed by:


Signature

Date: 02/06/2013

IVAN KRIVOKON
Typed or Printed Name

2953 Monte Cresta Dr.
Belmont, CA 94002
Witness Address

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ASSIGNMENT

For valuable consideration, we, HYUNG-JIN KIM of 1035 Lassen Terrace, Sunnyvale, CA 94086, PAUL HAAHR of 4019 Cesar Chavez Street, San Francisco, CA 94131, KIEN NG of 74 Kennedy Road, Apt. 901, Bamboo Grove, Wanchai, Hong Kong, CHUNG TIN KWOK of 2390 W. Middlefield Road, Apt. 17, Mountain View, CA 94043, MOUSTAFA A. HAMMAD of 4616 Jacksol Drive, San Jose, CA 95124, SUSHRUT KARANJKAR of 34028 Webfoot Loop, Fremont, CA 94555, 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 DETERMINING A QUALITY MEASURE FOR A RESOURCE, filed 12/31/2012, and assigned U.S. Serial Number 13/731,354, and U.S. Provisional Application entitled DETERMINING A QUALITY MEASURE FOR A RESOURCE, filed November 30, 2012, and assigned U.S. Provisional No. 61/731,936; 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.

HYUNG-JIN KIM

Witnessed by:

Signature

Date: _____

Typed or Printed Name

Witness Address

PAUL HAAHR

Witnessed by:

Signature

Date: _____

Typed or Printed Name

Witness Address

Kien Ng

KIEN NG

Witnessed by:

Hing Tao Tony Chan

Signature

Date: Feb 7th 2013

HING TAO TONY CHAN

Typed or Printed Name

TIMESQUARE

HONG KONG

Witness Address

CHUNG TIN KWOK

Witnessed by:

Date:

Signature

Typed or Printed Name

Witness Address

MOUSTAFA A. HAMMAD

Witnessed by:

Signature

Date: _____

Typed or Printed Name

Witness Address

SUSHRUT KARANJKAR

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