

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

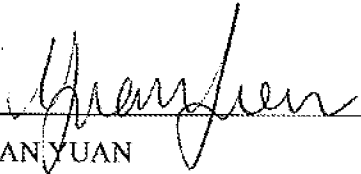
SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yuan Yuan</td> <td>11/07/2012</td> </tr> <tr> <td>C. Philip Gossett</td> <td>11/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Yuan Yuan	11/07/2012	C. Philip Gossett	11/07/2012
Name	Execution Date						
Yuan Yuan	11/07/2012						
C. Philip Gossett	11/07/2012						
RECEIVING PARTY DATA							
Name:	Google Inc.						
Street Address:	1600 Amphitheatre Parkway						
City:	Mountain View						
State/Country:	CALIFORNIA						
Postal Code:	94043						
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>13652819</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13652819		
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Application Number:	13652819						
CORRESPONDENCE DATA							
Fax Number:	8777697945						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(612) 335-5070						
Email:	jhr@fr.com						
Correspondent Name:	Andrew Dommer						
Address Line 1:	FISH & RICHARDSON P.C.						
Address Line 2:	P.O.BOX 1022						
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022						
ATTORNEY DOCKET NUMBER:	16113-3725001						
NAME OF SUBMITTER:	Andrew Dommer						
Total Attachments: 3 source=161133725001Assignment#page1.tif source=161133725001Assignment#page2.tif source=161133725001Assignment#page3.tif							

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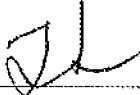
ASSIGNMENT

For valuable consideration, we, YUAN YUAN of 1035 Aster Avenue, Apt. 2174 Sunnyvale, CA 94086, C. PHILIP GOSSETT of 1169 Burgoyne Street Mountain View, CA 94043, 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 RATE SELECTION IN A COMMUNICATION SYSTEM, filed 10/16/2012, and assigned U.S. Serial Number 13/652,819, which claims priority to U.S. Provisional Application Serial Number 61/624,667, filed 4/16/2012, 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.


YUAN YUAN

Witnessed by:


Signature

Guangyu zhu
Typed or Printed Name

132 Elwood st.
Redwood City, 94062
Witness Address

Date: _____

C. PHILIP GOSSETT

Witnessed by:

Signature

Typed or Printed Name

Witness Address

Date: _____

YUAN YUAN

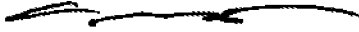
Witnessed by:

Date: _____

Signature

Typed or Printed Name

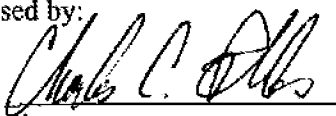
Witness Address



C. PHILIP GOSSETT

Witnessed by:

Date: 11/7/12



Signature

Charles C. Rhodes

Typed or Printed Name

1377 Montclair Ct.
Los Altos, CA 94024

Witness Address