

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>Krishnendu Chaudhury</td> <td>12/10/2012</td> </tr> <tr> <td>Avani Devarasetty</td> <td>12/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Krishnendu Chaudhury	12/10/2012	Avani Devarasetty	12/10/2012				
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Avani Devarasetty	12/10/2012										
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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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 6517351102 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 651-735-1100 Email: pairdocketing@ssiplaw.com Correspondent Name: Shumaker & Sieffert, PA Address Line 1: 1625 Radio Drive Address Line 2: Suite 300 Address Line 4: Woodbury, MINNESOTA 55125</p>											
ATTORNEY DOCKET NUMBER:	1133-593US01										
NAME OF SUBMITTER:	Christine Boudouris										
<p>Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif</p>											

OP \$40.00 13738549

ASSIGNMENT

For good and valuable consideration, which is hereby acknowledged, We, Krishnendu Chaudhury of 1600 Amphitheatre Parkway, Mountain View, CA 94043 and Avani Devarasetty of 1600 Amphitheatre Parkway, Mountain View, CA 94043 hereby assign to: Google Inc., a corporation of the State 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 the subject of an application for United States Patent signed by us, entitled LIVENESS DETECTION, filed January 10, 2013, and assigned U.S. Serial Number 13/738,549; this assignment including said application, any provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted disclosing any of said inventions or improvements, and the right to claim priority based on the filing date of any of these applications 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, and including any claims for damages by reason of past infringement or for provisional rights, and right to sue for and collect on such claims for the Assignee's own use and benefit. We hereby authorize Google Inc., its employees, and its legal representatives to fill in the serial number and filing date above after this document has been executed.

Date: 12/10/2012

Krishnendu Chaudhury
Krishnendu Chaudhury

Witnessed by:

Nicholas Butko
Witness Signature

Nicholas Butko
Typed or Printed Witness Name

1600 Amphitheatre Parkway, MTV, CA 94043
Witness Address

Date: 12/10/2012

D. Dhavani
Avani Devarasetty

Witnessed by:

[Signature]
Witness Signature

John Bharadia

Typed or Printed Witness Name

4256 Marston Ln, Santa Clara CA 95054

Witness Address