

## 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>Barry Hayes</td> <td>05/30/2012</td> </tr> <tr> <td>Peter Dolan</td> <td>06/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Barry Hayes	05/30/2012	Peter Dolan	06/14/2012
Name	Execution Date						
Barry Hayes	05/30/2012						
Peter Dolan	06/14/2012						
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>13529704</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13529704		
Property Type	Number						
Application Number:	13529704						
CORRESPONDENCE DATA							
Fax Number:	(651)735-1102						
Phone:	651-736-1100						
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Shumaker & Sieffert, P.A.						
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ATTORNEY DOCKET NUMBER:	1133-117US01						
NAME OF SUBMITTER:	Rebecca S. Bartels						
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif							

OP \$40.00 13529704

ASSIGNMENT

For good and valuable consideration, which is hereby acknowledged, I, Barry Hayes of 2344 Saint Francis Drive, Palo Alto, CA 94303 and Peter Dolan 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 TACTILE OUTPUT DEVICE FOR COMPUTING DEVICE NOTIFICATIONS, filed June 21, 2012, and assigned U.S. Serial Number 13/529,704; 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 I 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 I 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. I 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: 2012-05-30

Barry Hayes  
Barry Hayes

Witnessed by:

Ruth Leibig  
Witness Signature

Ruth Leibig  
Typed or Printed Witness Name

601 Forest Ave, Palo Alto, CA 94301  
Witness Address

Date: \_\_\_\_\_

\_\_\_\_\_  
Peter Dolan

Witnessed by:

\_\_\_\_\_  
Witness Signature

\_\_\_\_\_  
Typed or Printed Witness Name

\_\_\_\_\_  
Witness Address

ASSIGNMENT

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Date: \_\_\_\_\_

\_\_\_\_\_  
Barry Hayes


Witnessed by:

\_\_\_\_\_  
Witness Signature

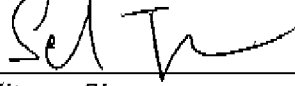
\_\_\_\_\_  
Typed or Printed Witness Name

\_\_\_\_\_  
Witness Address

Date: 6/14/12

  
\_\_\_\_\_  
Peter Dolan

Witnessed by:

  
\_\_\_\_\_  
Witness Signature

SAKSIRI TANPHAICHITR  
\_\_\_\_\_  
Typed or Printed Witness Name

193 GREYHAWK CT. MOUNTAIN VIEW, CA  
\_\_\_\_\_  
Witness Address 94043