

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>Thomas J. Norrie</td> <td>10/06/2011</td> </tr> <tr> <td>Andrew T. Swing</td> <td>10/06/2011</td> </tr> <tr> <td>Jonathan Mayer</td> <td>10/06/2011</td> </tr> </tbody> </table>		Name	Execution Date	Thomas J. Norrie	10/06/2011	Andrew T. Swing	10/06/2011	Jonathan Mayer	10/06/2011
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Thomas J. Norrie	10/06/2011								
Andrew T. Swing	10/06/2011								
Jonathan Mayer	10/06/2011								
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>13267747</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13267747				
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Application Number:	13267747								
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ATTORNEY DOCKET NUMBER:	0058-286001								
NAME OF SUBMITTER:	Paul Churilla								
Total Attachments: 2 source=0058-286001_executed_assignment#page1.tif source=0058-286001_executed_assignment#page2.tif									

OP \$40.00 13267747

ASSIGNMENT

WHEREAS, We, Thomas J. Norrie, residing at 505 Cypress Point Drive, Unit 253, Mountain View, CA 94043, Andrew T. Swing, residing at 146 New York Ave, Los Gatos, CA 95030, and Jonathan Mayer, residing at 3353 Cesar Chavez St., San Francisco, CA 94110 made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled MEMORY OPERATION COMMAND LATENCY MANAGEMENT;

WHEREAS, We hereby authorize and request the attorneys, as listed on the Combined Declaration and Power of Attorney, at Brake Hughes Bellermand LLP, to insert here in parentheses (Ser. No. 13/267,747 Filing Date: October 6, 2011) the filing date and application number of said application when known.

AND WHEREAS, Google Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

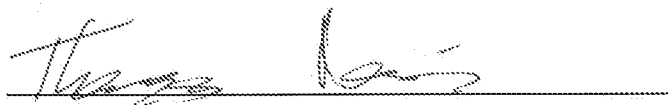
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid

inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

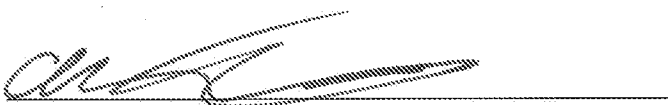
AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of October, 2011.



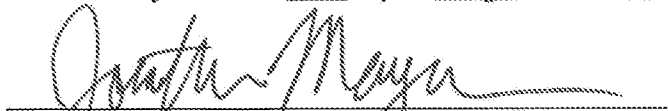
Thomas J. Norrie

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of October, 2011.



Andrew T. Swing

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of October, 2011.



Jonathan Mayer