

## 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>John Tisdale</td> <td>04/04/2013</td> </tr> <tr> <td>Russell Smith</td> <td>04/03/2013</td> </tr> <tr> <td>Nathaniel Fairfield</td> <td>04/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	John Tisdale	04/04/2013	Russell Smith	04/03/2013	Nathaniel Fairfield	04/03/2013		
Name	Execution Date										
John Tisdale	04/04/2013										
Russell Smith	04/03/2013										
Nathaniel Fairfield	04/03/2013										
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
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>13856822</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13856822						
Property Type	Number										
Application Number:	13856822										
CORRESPONDENCE DATA											
Fax Number:	3129130002										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	312-913-0001										
Email:	neth@mbhb.com										
Correspondent Name:	McDonnell Boehnen Hulbert & Berghoff LLP										
Address Line 1:	300 South Wacker Drive										
Address Line 4:	Chicago, ILLINOIS 60606										
ATTORNEY DOCKET NUMBER:	13-025										
NAME OF SUBMITTER:	James L. Lovsin										
Signature:	/James L. Lovsin/										
Date:	04/04/2013										

CH \$40.00 13856822

PATENT

**Total Attachments: 4**

source=13-025 - Assignment#page1.tif

source=13-025 - Assignment#page2.tif

source=13-025 - Assignment#page3.tif

source=13-025 - Assignment#page4.tif

**ASSIGNMENT**

Case No.: 13-025 Serial No.: 13/856,822  
Inventors: John Tisdale, Russell Smith and Nathaniel Fairfield  
Date of Execution of Application: April 4, 2013 Filing Date: April 4, 2013

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

**Google Inc.**

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**Methods and Systems for Corresting an Estimated Heading Using a Map**

and identified as:

**Case No. 13-025**

in the offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.


For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and

entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

  
\_\_\_\_\_  
John Tisdale (Apr 4, 2013)

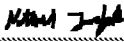
Date: Apr 4, 2013

John Tisdale

  
Russell Smith (Apr 3, 2013)

Russell Smith

Date: Apr 3, 2013

  
Nathaniel Fairfield (Apr 3, 2013)

Date: Apr 3, 2013

Nathaniel Fairfield