

## 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>Ryan Hickman</td> <td>10/01/2012</td> </tr> <tr> <td>James J. Kuffner Jr.</td> <td>10/01/2012</td> </tr> <tr> <td>Anthony Gerald Francis Jr.</td> <td>10/01/2012</td> </tr> <tr> <td>Arshan Poursohi</td> <td>10/02/2012</td> </tr> <tr> <td>James R. Bruce</td> <td>10/01/2012</td> </tr> <tr> <td>Thor Lewis</td> <td>10/01/2012</td> </tr> <tr> <td>Chaitanya Gharpure</td> <td>10/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ryan Hickman	10/01/2012	James J. Kuffner Jr.	10/01/2012	Anthony Gerald Francis Jr.	10/01/2012	Arshan Poursohi	10/02/2012	James R. Bruce	10/01/2012	Thor Lewis	10/01/2012	Chaitanya Gharpure	10/01/2012
Name	Execution Date																
Ryan Hickman	10/01/2012																
James J. Kuffner Jr.	10/01/2012																
Anthony Gerald Francis Jr.	10/01/2012																
Arshan Poursohi	10/02/2012																
James R. Bruce	10/01/2012																
Thor Lewis	10/01/2012																
Chaitanya Gharpure	10/01/2012																
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						
Name:	Google Inc.																
Street Address:	1600 Amphitheatre Parkway																
City:	Mountain View																
State/Country:	CALIFORNIA																
Postal Code:	94043																
PROPERTY NUMBERS Total: 2																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13644680</td> </tr> <tr> <td>Application Number:</td> <td>61558911</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13644680	Application Number:	61558911										
Property Type	Number																
Application Number:	13644680																
Application Number:	61558911																
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: huffman@mbhb.com Correspondent Name: McDonnell Boehnen Hulbert & Berghoff LLP Address Line 1: 300 South Wacker Drive, Suite 3100 Address Line 4: Chicago, ILLINOIS 60606																	
ATTORNEY DOCKET NUMBER:	11-1431																

CH \$80.00 13644680



NAME OF SUBMITTER:	Gregory M. Huffman
Total Attachments: 2 source=11-1431-US_ExecutedAssignment_04OCT2012#page1.tif source=11-1431-US_ExecutedAssignment_04OCT2012#page2.tif	



## ASSIGNMENT

Case No.: 11-1431

Serial No.: 61/558,911

Inventor(s): Ryan Hickman, James J. Kuffner, Jr.,  
Anthony Gerald Francis, Jr., Arshan Poursohi, James R. Bruce,  
Thor Lewis, Chaitanya Gharpure

Date of Execution  
of Application:

Filing Date: 11/11/2011

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:

**A System for Writing, Interpreting, and Translating Three-dimensional (3D) Scenes**

and identified as:

**Case No. 11-1431**

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 assigns 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.

Signature:

Name:

Ryan Hickman

Date:

10/1/2012

Signature:

Name:

James J. Kuffner Jr.

Date:

10/1/2012

Signature:

Name:

Anthony Gerald Francis, Jr.

Date:

10/1/2012

Signature:

Name:

Arshan Poursohi

Date:

10/2/2012

Signature:

Name:

James R. Bruce

Date:

10/1/2012

Signature:

Name:

Thor Lewis

Date:

10/01/12

Signature:

Name:

Chaitanya Gharpure

Date:

10/1/2012