

Form PTO-1595 (Rev. 03-11)  
OMB No. 0651-0027 (exp. 03/31/2015)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**  
 Peter Craig Lombrozo (06/29/2012), Carsten Jensen (06/29/2012), Andrew Barton-Sweeney (06/29/2012),  
 Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
 Name: Google Inc.  
 Internal Address: \_\_\_\_\_  
 Street Address: \_\_\_\_\_  
 1600 Amphitheatre Parkway  
 City: Mountain View  
 State: California  
 Country: United States of America Zip: 94043  
 Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
 Execution Date(s): in parentheses after Inventor name \_\_\_\_\_  
 Assignment  Merger  Change of Name  
 Security Agreement  Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.  
 A. Patent Application No.(s)  
13/539,030  
 B. Patent No.(s)  
 Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
 Name: Kiril Dimov  
LERNER, DAVID, LITTENBERG,  
KRUMHOLZ & MENTLIK, LLP  
 Internal Address: Atty. Dkt.: GOOGLE 3.0-745  
 Street Address: 600 South Avenue West  
 City: Westfield  
 State: NJ Zip: 07090  
 Phone Number: 908-654-5000  
 Fax Number: 908-654-7866  
 Email Address: ataylor@ldlkm.com


**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)


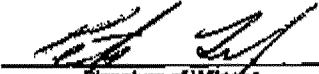
**8. Payment Information**  
 Deposit Account Number 12-1095  
 Authorized User Name Kiril Dimov

**9. Signature:**  
 \_\_\_\_\_  
 Signature Kiril Dimov - 60,490  
 Name of Person Signing  
 Date July 5, 2012  
 Total number of pages including cover sheet, attachments, and documents: 7

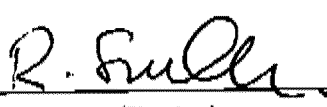


CH \$40.00 121095 13539030

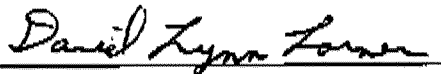

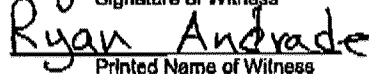
<b>RECORDATION FORM COVER SHEET (PTO-1595)</b> <b>(supplemental sheet)</b>			
<b>Additional Conveying Party(ies)/Execution Date(s) (1. Continued):</b> Russell Smith (06/29/2012), and Daniel Lynn Lerner (06/29/2012)			
<b>Additional Assignees (2. Continued):</b>  Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____			
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____			
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____			
<b>Additional Applications and/or Patents (4. Continued):</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top; padding: 5px;">           Additional Patent Application Numbers            4A. Continued:         </td> <td style="width: 50%; border: none; vertical-align: top; padding: 5px;">           Additional Patent Numbers            4B. Continued:         </td> </tr> </table> <div style="text-align: right; margin-top: 10px;">           Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No         </div>		Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:		

ASSIGNMENT OF PATENT APPLICATION	Docket Number (Optional) GOOGLE 3.0-745
<p>WHEREAS, I, <u>Peter Craig Lombrozo of 244 Ross Street, Santa Cruz, California 95090</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR DETERMINING VEHICLE LOCATION BASED ON MOTOR FEEDBACK" (hereafter "Patent Application"),</p>	
<p><input type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and</p>	
<p><input checked="" type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application names the following inventors: <u>Peter Craig Lombrozo, Carsten Jensen, Andrew Barton-Sweeney, Russell Smith, and Daniel Lynn Lerner</u> (and whereas I hereby authorize Lerner, David, Lilienberg, Krumholz &amp; Menlik, LLP, to insert in here in brackets [Application No. <u>13/539,030</u>, filed on <u>6-29-12</u>] the application number and filing date of the application when known), and</p>	
<p>WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600 Amphitheatre Parkway, Mountain View, California 94043</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;</p>	
<p>NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.</p>	
<p><u>5/29/2012</u> (Date)</p>	<p> (Signature)</p>
<p><u>Ryan Andrade</u> Signature of Witness</p> <p><u>Ryan Andrade</u> Printed Name of Witness</p>	

<b>ASSIGNMENT OF PATENT APPLICATION</b>	Docket Number (Optional) GOOGLE 3.0-746
<p>WHEREAS, I, <u>Carsten Jansen of 849A Capp St., San Francisco, California 94110</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR DETERMINING VEHICLE LOCATION BASED ON MOTOR FEEDBACK" (hereafter "Patent Application"),</p> <p><input type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and</p> <p><input checked="" type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application names the following inventors: <u>Peter Craig Lombrozo, Carsten Jansen, Andrew Barton-Sweeney, Russell Smith, and Daniel Lynn Lamer</u> (and whereas I hereby authorize Lamer, David, Littenberg, Krumholz &amp; Mentlik, LLP, to insert in here in brackets [Application No. <u>13/539,030</u>, filed on <u>6-29-12</u>] the application number and filing date of the application when known), and</p> <p>WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600 Amphitheatre Parkway Mountain View, California 94043</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;</p> <p>NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.</p>	
<u>6/29/2012</u> _____ (Date)	 _____ (Signature)
 _____ Signature of Witness <u>Pete Lombrozo</u> _____ Printed Name of Witness	

<b>ASSIGNMENT OF PATENT APPLICATION</b>	Docket Number (Optional) <b>GOOGLE 3.0-745</b>
<p>WHEREAS, I, <u>Andrew Barton-Sweeney of 1608 Harmon St., Apt. 2, Berkeley, California 94703</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR DETERMINING VEHICLE LOCATION BASED ON MOTOR FEEDBACK" (hereafter "Patent Application"),</p>	
<p><input type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and</p>	
<p><input checked="" type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application names the following inventors: <u>Peter Craig Lombrozo, Carsten Jensen, Andrew Barton-Sweeney, Russell Smith, and Daniel Lynn Lerner</u> (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz &amp; Mentlik, LLP, to insert in here in brackets [Application No. <u>13/539,030</u>, filed on <u>6-29-12</u>] the application number and filing date of the application when known), and</p>	
<p>WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600 Amphitheatre Parkway, Mountain View, California 94043</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;</p>	
<p>NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.</p>	
<p><u>6/29/2012</u> (Date)</p>	<p><u><i>Andrew Barton-Sweeney</i></u> (Signature)</p>
<p><u><i>Ryan Andrade</i></u> Signature of Witness</p> <p><u>Ryan Andrade</u> Printed Name of Witness</p>	

<b>ASSIGNMENT OF PATENT APPLICATION</b>	Docket Number (Optional)  GOOGLE 3.0-745
<p>WHEREAS, I, <u>Russell Smith of 3157 Allen Way, Santa Clara, California 96051</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR DETERMINING VEHICLE LOCATION BASED ON MOTOR FEEDBACK" (hereafter "Patent Application"),</p> <p><input type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and</p> <p><input checked="" type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application names the following inventors: <u>Peter Craig Lombrozo, Carsten Jensen, Andrew Barton-Sweeney, Russell Smith, and Daniel Lynn Lerner</u> (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz &amp; Menlik, LLP, to insert in here in brackets [Application No. <u>13/539,030</u>, filed on <u>6-29-12</u>] the application number and filing date of the application when known), and</p> <p>WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600 Amphitheatre Parkway, Mountain View, California 94043</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;</p> <p>NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.</p>	
<u>6/29/2012</u> _____ (Date)	 _____ (Signature)
 _____ Signature of Witness  _____ Printed Name of Witness	

<b>ASSIGNMENT OF PATENT APPLICATION</b>	Docket Number (Optional)  GOOGLE 3.0-745
<p>WHEREAS, I, <u>Daniel Lynn Lerner of 1495 Oak Canyon Dr.; San Jose, California 95120</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "METHOD AND APPARATUS FOR DETERMINING VEHICLE LOCATION BASED ON MOTOR FEEDBACK" (hereafter "Patent Application"),</p> <p><input type="checkbox"/> WHEREAS (If the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on _____, Application Number _____, and</p> <p><input checked="" type="checkbox"/> WHEREAS (If the left box is checked), the Patent Application names the following inventors: <u>Peter Craig Lombrozo, Carsten Jansen, Andrew Barton-Sweeney, Russell Smith, and Daniel Lynn Lerner</u> (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz &amp; Mentlik, LLP, to insert in here in brackets [Application No. <u>137539.030</u>, filed on <u>6-29-12</u>] the application number and filing date of the application when known), and</p> <p>WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600 Amphitheatre Parkway, Mountain View, California 94043</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;</p> <p>NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.</p>	
<u>June 29, 2012</u> (Date)	 (Signature)
 Signature of Witness  Printed Name of Witness	

PATENT