

Form PTO-1595 (Rev. 09/04)  
OMB No. 0651-0027 (exp. 6/30/2006)

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)/Execution Date(s):

YAN YU (05/24/2010), SAM LIANG  
(05/14/2010), MICHAEL CHU (05/13/2010),  
YUHUA LUO (05/14/2010), AND  
ZHENG RONG JI (05/17/2010)

Execution Date(s): in parentheses after inventor name

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

### 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

### 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

### 4. Application or patent number(s):

A. Patent Application No.(s)

12/775,848 61/232,061  
12/775,856 61/313,339  
12/775,869

Additional numbers attached? ☐ Yes ☒ No

☐ This document is being filed together with a new application.

B. Patent No.(s)

### 5. Name and address to whom correspondence concerning document should be mailed:

Name: Noelle L. Cacciabeve  
LERNER, DAVID, LITTENBERG,  
KRUMHOLTZ & MENTLIK, LLP

Internal Address: Atty. Dkt.: Google 3.8-076; Google 3.8-098;  
Google 3.0-076 I; Google 3.0-076 II; and Google 3.0-098

Street Address: 600 South Avenue West

City: Westfield

State: NJ Zip: 07090

Phone Number: (908) 654-5000

Fax Number: (908) 654-0415

Email Address: \_\_\_\_\_

### 6. Total number of applications and patents involved:

5

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 200.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

### 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 12-1095  
Authorized User Name Noelle L. Cacciabeve

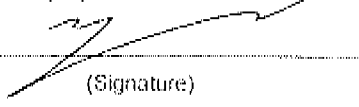
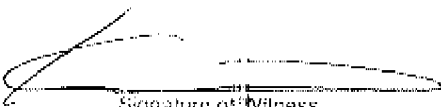
### 9. Signature:

Noelle L. Cacciabeve  
Signature

July 2, 2010  
Date

Noelle L. Cacciabeve - 63,075  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 6

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| <b>ASSIGNMENT OF PATENT APPLICATIONS</b>   | Docket Number (Optional)<br>GOOGLE 3.8-075; GOOGLE 3.8-098; GOOGLE 3.0-076;<br>GOOGLE 3.0-076; and GOOGLE 3.0-058 |
| <p>WHEREAS, I, <u>Yan Yi</u> of <u>979 Pinto Palm Terra, Apt. 20, Sunnyvale, California 94086</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent applications entitled "USER LOCATION REPUTATION SYSTEM", "LOCATION DATA QUARANTINE SYSTEM"; and "SYSTEM AND METHOD OF USING SPATIAL AND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", (hereafter "Patent Applications"),</p> <p><input checked="" type="checkbox"/> WHEREAS (if the left box is checked), the Patent Applications was filed with the U.S. Patent and Trademark Office on <u>May 7, 2010</u>, Application Numbers <u>12/775,855</u>, <u>12/775,869</u>, and <u>12/775,848</u>, respectively, and</p> <p><input type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application names the following inventors:<br/> (And whereas I hereby authorize Lerner, David, Lillenberg, Krumholz &amp; Mentlik, LLP, to insert in here in brackets [Application No. _____, filed on _____] 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 Applications 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 Applications 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>I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application Nos. <u>61/232,061</u> and <u>61/313,339</u>, filed <u>August 7, 2009</u> and <u>March 12, 2010</u>, respectively, such provisional applications being considered Assigned Applications for all purposes herein.</p> <p><u>05/28/2010</u><br/> (Date)</p> <p><br/> (Signature)</p> <p><br/> Signature of Witness</p> <p><u>Keito Uchiyama</u><br/> Printed Name of Witness</p> |   |

**ASSIGNMENT OF PATENT APPLICATIONS**

Docket Number (Optional)

GOOGLE 3.8-076; GOOGLE 3.8-098; GOOGLE 3.0-076;  
GOOGLE 3.0-076R; and GOOGLE 3.0-098

WHEREAS, I, Sam Liang of #10 Mesa Avenue, Palo Alto, California 94306, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent applications entitled "USER LOCATION REPUTATION SYSTEM", "LOCATION DATA QUARANTINE SYSTEM", and "SYSTEM AND METHOD OF USING SPATIAL AND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", "(hereafter "Patent Applications"),

☒ WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on May 7, 2010, Application Numbers 12/775,856, 12/775,859, and 12/775,848, and

☐ WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lernit, David, Littenberg, Krumholz & Montlik, LLP, to insert in here in brackets [Application No. \_\_\_\_\_, filed on \_\_\_\_\_] the application number and filing date of the application when known), and

WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway Mountain View, California 94043 (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;

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 Applications, 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 Applications 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.

I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application Nos. 61/232,041 and 61/313,339, filed August 7, 2009 and March 12, 2010, respectively, such provisional applications being considered Assigned Applications for all purposes herein..

5/14/2010  
(Date)

[Signature]  
(Signature)

[Signature]  
Signature of Witness:  
John WANG  
Printed Name of Witness

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| <b>ASSIGNMENT OF PATENT APPLICATIONS</b> | Docket Number (Optional)<br><br>GOOGLE 3.8-076; GOOGLE 3.8-090; GOOGLE 3.0-076;<br>GOOGLE 3.0-076II; and GOOGLE 3.0-090 |
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WHEREAS, I, Michael Chu of 13050 Cumbra Vista Court, Los Altos, California 94022, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent applications entitled "USER LOCATION REPUTATION SYSTEM", "LOCATION DATA QUARANTINE SYSTEM", and "SYSTEM AND METHOD OF USING SPATIAL AND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", "(hereafter "Patent Applications"),

☒ WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on May 7, 2010, Application Numbers 12/775,856, 12/775,869, and 12/775,848, and

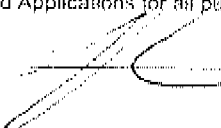
☐ WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. \_\_\_\_\_, filed on \_\_\_\_\_] the application number and filing date of the application when known), and


WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043 (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;

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 Applications, 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 Applications 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.

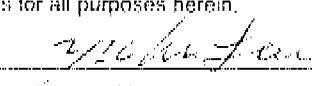
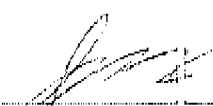
I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application Nos. 61/332,061 and 61/313,339, filed August 7, 2009 and March 12, 2010, respectively, such provisional applications being considered Assigned Applications for all purposes herein.

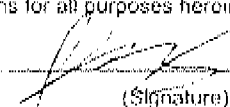
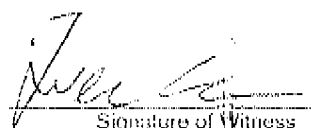
5/13/2010  
 (Date)

  
 (Signature)

  
 Signature of Witness

JOSEPH SACHS  
 Printed Name of Witness

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| <b>ASSIGNMENT OF PATENT APPLICATIONS</b>   | Docket Number (Optional)<br>GOOGLE 3.8-076; GOOGLE 3.8-098; GOOGLE 3.0-076;<br>GOOGLE 3.0-078; and GOOGLE 3.0-098 |
| <p>WHEREAS, I, <u>Yuhua Liao of 6912 Glenview Drive, San Jose, California 95120</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent applications entitled "USER LOCATION REPUTATION SYSTEM", "LOCATION DATA QUARANTINE SYSTEM"; and "SYSTEM AND METHOD OF USING SPATIAL AND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", "(hereafter "Patent Applications").</p> <p><input checked="" type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on <u>May 7, 2010</u>, Application Numbers <u>12/775,856</u>, <u>12/775,869</u>, and <u>12/775,848</u>, and</p> <p><input type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize <u>Lerner, David, Littenberg, Krumholz &amp; Mentlik, LLP</u>, to insert in here in brackets [Application No. _____, filed on _____] 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 Applications, 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 Applications 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>I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application Nos. <u>61/302,063</u> and <u>61/313,339</u>, filed <u>August 7, 2009</u> and <u>March 12, 2010</u>, respectively, such provisional applications being considered Assigned Applications for all purposes herein.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <u>5/14/2010</u><br/>           (Date)         </div> <div style="text-align: center;"> <br/>           (Signature)         </div> </div> <div style="margin-top: 20px;"> <div style="text-align: center;"> <br/>           Signature of Witness         </div> <div style="text-align: center; margin-top: 10px;"> <u>ZHENG RONG LI</u><br/>           Printed Name of Witness         </div> </div> |   |

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| <b>ASSIGNMENT OF PATENT APPLICATIONS</b>   | Docket Number (Optional)<br>GOOGLE 3.8-076; GOOGLE 3.8-098; GOOGLE 3.8-076;<br>GOOGLE 3.8-078II; and GOOGLE 3.8-098 |
| <p>WHEREAS, I, <u>Zhenggang Ji of 1035 Aster Avenue, #2190, Sunnyvale, California, 94086</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent applications entitled "USER LOCATION REPUTATION SYSTEM", "LOCATION DATA QUARANTINE SYSTEM"; and "SYSTEM AND METHOD OF USING SPATIAL AND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", "(hereafter "Patent Applications"),</p> <p><input checked="" type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on <u>May 7, 2010</u>, Application Numbers <u>12/775,856</u>, <u>12/775,869</u>, and <u>12/775,848</u>, and</p> <p><input type="checkbox"/> WHEREAS (if the left box is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz &amp; Mentlik, LLP, to insert in here in brackets [Application No. _____, filed on _____] 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 Applications 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 Applications 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>I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application Nos. <u>61/332,061</u> and <u>61/313,339</u>, filed August 7, 2009 and March 12, 2010, respectively, such provisional applications being considered Assigned Applications for all purposes herein.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <u>05/13/2010</u><br/>           (Date)         </div> <div style="text-align: center;"> <br/>           (Signature)         </div> </div> <div style="margin-top: 20px;"> <div style="text-align: center;"> <br/>           Signature of Witness         </div> <div style="text-align: center; margin-top: 10px;"> <u>Buwei Chen</u><br/>           Printed Name of Witness         </div> </div> |   |