Form PTO-1595 (Rev. 99: 94) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPAR MENT OF COMMERCI United States Patent and Trademark Office	
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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 partr(ies)/Execution Date(s):	2. Name and address of receiving party(ies)	
YAN YU (05/24/2010), 8AM LIANG		
(05/14/2010), MICHAEE CHU (05/13/2010),		
YUHUA LUO (05/14/2010), AND ZHENGRONG JE(05/13/2010)	Name: GOOGLE INC.	
	Internal Address:	
Execution Dato(s): in parenthrises after inventor name	Street Address:	
Additional name(s) of conveying part/lines) attached? Yes X No		
3. Nature of Conveyance:	1600 AMPHITHEATRE PARKWAY	
X Assignment Merger		
Security Agreement Change of Namo	City: MOUNTAIN VIEW	
Government Interest Assignment	State: CALIFORNIA	
Executive Order 9424, Colifirmatory License	Country: United States of America Zip: 94043	
Other .	Additional name(s) & address(es) Yes X No	
	attached:	
, , , , , , , , , , , , , , , , , , ,	This document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent No.(s)	
12/775,848 61/232,063 12/775,856 61/313,339 12/775,869		
Additional numbers attached	? Yes X No	
5. Name and address to whomacorrespondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Noels L. Cacciabeve LERNER, SAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 200.00	
Internal Address: Atty. Dkt.: C46gle 3.8-076; Google 3.8-098; Google 3.0-076 I; Google 3.0-076 II; and Google 3.0-098	Authorized to be charged by credit card	
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting little	
	140016 rectilined (Suveriment interest not directing inte	
City: Y*estfield	8. Payment Information	
State: NJ Zip: 07090	a. Credit Card Last 4 Numbers Expiration Date	
Phone Number: <u></u>	b. Deposit Account Number 12-1095	
Email Address:	Authorized User Name   Noelle L. Cacciabeve	
9. Signature:	. I	
Migelle Laccial Company	July 2, 2010 Date	
Noelle <sub>1</sub> . Cacciabeve - 63,075	Total number of pages including cover 6	
Native of Person Signing	sheet, attachments, and documents:	

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**PATENT** REEL: 024641 FRAME: 0481

700440566

# ASSIGNMENT OF MATENT APPLICATIONS

Docket Number (Optional)

GOOGLE 3 8-076; COOGLE 3.8-098; GOOGLE 3.0-0761; GOOGLE 3.0-0768; and GOOGLE 3.0-098.

WHEREAS, I. Yan Yieof 979 Pinto Palm Torra, Apt. 26; Surmyvale, California, 94086, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent applications entitled "USER LOCATION REPUTA" DN SYSTEM", "LOCATION DATA QUARANTINE SYSTEM"; and "SYSTEM AND METHOD OF USING SPATIAL AND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", "(bereafter "Patent Applications"),

WHEREAS (if the leftbox is checked), the Patent Applications was filed with the U.S. Patent and Trademark Office on May 7, 2(\$10, Application Numbers 12/775,856, 12/775,869, and 12/775,848, respectively, and WHEREAS (if the left box is checked), the Patent Application pames the following inventors: (and whereas I hereby authorize Lerner, David, titlenberg, Krumhotz & Mentlik, LLP, to insert in here in brackets lApplication No. .... , filed on \_\_\_\_\_\_ the application number and filing date of the application when known), and WHEREAS, (Spenje ) ic., incorporated or otherwise formed in Octaware 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 as acquisition further herein, the entire right, title and interest in NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. Tagree to antign, 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 Applicational 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. Lagree to assign, and hereby do assign, to assigned the right to claim such priority or benefit. Theve not proviously conveyed, nor am haware of an obligation to convey, my rights in the Assigned Applications to a third party. Thereby authorize the USS Patent and Trademark Office, and any other governmental agency in the world, to issue to assignce all patents #Bulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable requires (agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to intovide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee/sitights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its soM∗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 shalf be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision. I further agree to assistin, and hereby do assign, to assignce my entire right, title and interest in and to Provisional Application Nos. 613232,061 and 61/313,339, filed August 7, 2009 and March 12, 2010, respectively, such provisional applications lating considered Assigned Applications for all purposes herein.

(Signature)

Signature of Vilness

(Docket Number (Optional)

#### ASSIGNMENT OF PATERT APPLICATIONS

GOOGLE 3.8-076; GOOGLE 3.8-098; GOOGLE 3.0-0761; GOOGLE 3.0-0768; 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 thatter of which is described in the patent applications entitled "USER LOCATION REPUTATION SYSTEM! HLOCATION 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 thecked), the Patent Application was filed with the U.S. Patent and Trademark Office on May 7, 2010, Apditication Numbers 12/775,856, 12/775,869, and 12/775,848, and WHEREAS (if the left box is shecked), the Patent Application names the following inventors: (and whereas I hereby authorize Lerniti, David, Littenberg, Krumholz & Montlik, LLP, to insert in here in brackets [Application No. \_\_\_\_\_ | Hed on \_\_\_\_\_ ] the application number and filling date of the application when known), and WHEREAS, Goodle 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 methorializing its acquisition further herein, the entire right, title and interest in same: NOW, THEREFORE, for goost and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. It 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, includitig any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, crititinuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Paterli Applications pursuant to any law or treaty, and any patent issuing from the foregoing. Lagree to assign, and herethy do assign, to assignee the right to claim such priority or benefit. Thave not previously conveyed, nor am Laware at an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patilit 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 acree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide (ther cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights at 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 assignce 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 retitain 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 61/232.0f4 and 61/313,339, filed August 7, 2009 and March 12, 2010, respectively. such provisional applications being collisidered Assigned Applications for all purposes herein. (Signature) Signature of Witnesis Printed Name of Witness

PATENT

## Docket Number (Optional) ASSIGNMENT OF PATENT APPLICATIONS

COOCLE 3.8 076; GOOGLE 3.8-098; GOOGLE 0.0-0761; GOOGLE 3.0-0761; and GOOGLE 3.0-098

WHEREAS, I, Michael Cha 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 "LISER LOCATION REPUTATION SYSTEM" "LOCATION DATA QUARANTINE SYSTEM" and "SYSTEM" AND

METHOD OF USING SPATIALIAND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", "(hereafter "Palent Applications").
WHEREAS (if the left liox is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on May 7, 20 0, Application Numbers 12/775,856, 12/7/5,869, and 12/775,848, and
WHEREAS (if the left box is checked), the Patent Application names the following inventors:  (and whereas f hereby authorids Lerner, David, Littenberg, Krumholz & Montlik, LLP, to insert in here in brackets [Application No
WHEREAS, Google http:// incorporated or otherwise formed in Delaware and having a place of business at 1609 Amphilheatre Parkway; Myuntain View, California 94043 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of momortalizing 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, to agree as follows. If 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. If agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. It have not previously conveyed, nor am I alware of an obligation to convey, my lights in the Assigned Applications to a third party. Thereby authorize the U.II. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents redulting from the Assigned Applications and to record assignee's ownership thereof. At assignee are reasonable requell It agree, without further remunoration, to execute and deliver documents prepared at assignee's expense and to pulvide other cooperation, such as testimeny, as may be reasonably required to evidence or protect assignee's alghts in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole-listcretion. If 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 faw and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision must 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. 615[32,061] and 61/313_339, filed August 7, 2009 and March 12, 2010, respectively, such provisional applications being considered Assigned Applications for all purposes herein.
5/13/3010
5 / 13 / 1:070 (Date) (Signature)
Signature of Witness

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**PATENT** REEL: 024641 FRAME: 0484

## Docket Number (Optional)

ASSIGNMENT OF PATENT APPLICATIONS	GOOGLE 3.8-676; GOOGLE 3.8-098; GOOGLE 3.0-076); GOOGLE 3.0-076B; and GOOGLE 3-0-098	
WHEREAS, I, <u>Tomus Life</u> of <u>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").		
WHEREAS (if the left topx is checked), the Patent Application Trademark Office on May 7, 201⊉, Application Numbers 12/775.856,		
WHEREAS (if the left box is checked), the Patent Application (and whereas I hereby authorizationer, David, Littenberg, Krumholz & [Application No] ti application when known), and	\$ Mentlik, LLP, ito insert in here in brackets	
WHEREAS, <u>Google Inst</u> , incorporated or otherwise formed in 1600 Amphitheatro Parkway; Mguntain View, California, 94043 (horest or has acquired and is desirous III memorializing its acquisition further same;	ofter, the "assignoe") is desirous of acquiring,	
NOW, THEREFORE, \$4\$ good and valuable consideration the agree as follows. It agree to assist, and hereby do assign, to the assisted Assigned Applications in therunited States of America and all other means the Patent Applications, factuding any and all inventions, discontinuation, any divisional, continuation, continuation-in-part, substitute, reclaiming priority or benefit to the Patent Applications pursuant to any I foregoing. It agree to assign, and hereby do assign, to assignee the repreviously conveyed, nor am I alware of an obligation to convey, my riporty. Thereby authorize the U.S. Patent and Trademark Office, and issue to assignee all patents resulting from the Assigned Applications. At assignee's reasonable request I agree, without further remuneration at assignee's expense and to prilvide other cooperation, such as testificatione or protect assignee's eithers in the Assigned Applications. As rights set forth herein in its sole iffiscretion. Lagree that the assignee is as any other indicia of its acceptance of the provisions hereot. If any prequirements of the provision shall be deemed replaced, to the extent possible; with a provision most offending provision.	gnoo my entire right, title and interest in and to er countries, where "Assigned Applications" exeries and other subject matter described eissue, re-examination or other application aw or treaty, and any patent issuing from the ght to claim such priority or benefit. I have not ghts in the Assigned Applications to a third any other governmental agency in the world, to and to record assignee's ownership thereof, in, to execute and deliver documents prepared mony, as may be reasonably required to signee may assign or transfer all or part of its may affix its signature to this document as well provision herein is unenforceable, the	
I further agree to assight, and hereby do assign, to assignee Provisional Application Nes. 61.432,061 and 61/313,339, filed August such provisional applications being considered Assigned Applications	7, 2009 and March 12, 2010, respectively, for all purposes herein.	
5/14/2018	make for	
(Dato)	(Signature)	
Signature of Witness ZHENG ROMS JI Printed Namoral Witness		
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## Docket Number (Optional) ASSIGNMENT OF PATENT APPLICATIONS

COOCLE 3.8-076; COOCLE 3.8-098; GOOGLE 3.0-076f; GOOCLE 3.0-076f; and GOOCLE 3.0-098

WHEREAS, I, Zhengrapa Ji of 1035 Aster Avenue, #2190; Sunnyvale, California, 94086, have invented or discovered inventions or discovisions, 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 SPATIALIAND TEMPORAL SIGNALS TO IDENTIFY AND PREVENT ATTACKS", "(hereafter "Patent Applications"), WHEREAS (if the left tipx 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 flox is checked), the Patent Application names the following inventors: (and whereas I hereby authorize Lomer, David, Littenberg, Krumholz & Mentlik, U.P., to issert in here in brackets filed on \_\_\_\_\_\_\_\_ the application number and filing date of the (Application No. application when known), and WHEREAS, Google link, incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway: Muntain View, California 94043 (hereafter, the "assignee") is desirous of acquiring. or has acquired and is desirousital memorializing its acquisition further herein, the entire right, title and interest in NOW, THEREFORE, 14r good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. Fagree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in thritUnited 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. Lagree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am Latvare 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 rotalting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable regulat I agree, without further remuneration, to execute and deliver documents prepared at assigned's expense and to paivide 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 soleithiscretion. Lagree that the assignee may affix its signature to this document as wellas 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 fall extent permissible by law and the offending portions thereof shall be deemed replaced, to 🕪 extent possible, with a provision most closely reflecting the purpose of the affending provision. I further agree to assigit, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application Nos. 61\$32,061 and 61/313,339, filed August 7, 2009 and March 12, 2010, respectively, such provisional applications buting considered Assigned Applications for all purposes heroin. (Signature) (Date)

Signature of Witness  $\mathcal{C}$ nen

Printed Namurof Witness

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RECORDED: 07/02/2010

PATENT REEL: 024641 FRAME: 0486