Form PTO-1595 (Rev. 03-11) OMB No. 0851-0027 (exp. 03/31/2015)	U S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
RECORDATION FOR PATENTS		
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.	
Name of conveying party(les):	2. Name and address of receiving party(ies)	
Andrew Kirmse (08/21/2008), Reuel William Nash (08/26/2008), and Steve Zelinka (08/21/2008)	Name: Google Inc.	
Additional name(s) of conveying party(les) attached? Yes X No	Internal Address: Street Address:	
3. Nature of conveyance/Execution Date(s):		
Execution Date(s): In parentheses after inventor name X Assignment Merger Change of Name	1600 Amphitheatre Parkway	
Security Agreement Joint Research Agreement	City: Mountain View	
Government Interest Assignment	State: California	
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 94043	
Other	Additional name(s) & address(es) Yes X No attached?	
4. Application or patent number(s): A. Patent Application No.(s) 13/619.183 Additional numbers attached?	This document is being filed together with a new application. B. Patent No.(s) Yes X No	
	6. Total number of applications and	
5. Name and address to whom correspondence concerning document should be malled:	patents involved:	
Name: Andrew T. Zidel LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty Dkt.;	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
GOOGLE 3.0-008 CON CON		
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)	
City: Westfield	8. Payment Information	
State: NJ Zip: 07090		
Phone Number: 908-654-5000	40.4005	
Fax Number: 908-654-7866 Email Address: ataylor@ldlkm.com	Deposit Account Number 12-1095 Authorized User Name Andrew T. Zidel	
9. Signature:		
	September 19, 2012 Date	
Andrew T. Zidel - 45,256	*	
Name of Person Signing	sheet, attachments, and documents: 6	

REEL: 029016 FRAME: 0183

	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	, ,
ASSIGNMENT OF BILLITAL FORMAN	GOOGLE 3.0-008
Whereas, I. Andrew Kirmse	of
1632 Cordilleras Road; Redwood City, California 94062	
the property of the state of th	ain new and useful improvements in
METHODS FOR CREATING AND EFFICIENTLY RE IMAGERY FOR USE IN AN EARTH VIEWER	PRESENTING TIME DEL CIDENT
for which an application for a United States Letters Pat Application Number 12/231, 290	entwas filed on August .28, 2008
The second configuration for a limited States Letters Pater	nt was executed by me on
and	
Whereas, Google Inc.	
a corporation of the state of Delaware having a place of busine	es at
1600 Amphithestra Parkway, Mountain View, California 94043	,
is desirous of acquiring the entire right, title and interest in the si	ame;
NOW, THEREFORE, for good and valuable consideration the hereby sell, assign and set over to said assigned my entire rigit all other countries in and to said invention and the aforeast continuation, continuation-in-part, substitute or reissue application to the countries of the applications for said invention claiming priority or benefit of the aforeincluding the right to claim such priority or benefit and the authorized and requested to issue all patents on said improved assigned of the entire interest therein; and the undersigned for hereby agree and covenant without further remuneration, to reissue and other applications for Letters Patent on said improved to assigns, to communicate to said assigned or its represents improvements, whenever requested, to testify in any interfer applications or patents may become involved, to sign all law everything necessary to aid assignee, its successors, assig improvements in all countries, the expenses incident to said applications of the said applications of the countries.	ald utility patent application and all original, divisional, itions and patents applied for or granted therefor in the vention, including without limitation all applications and estaid utility application pursuant to any law or treaty, and Commissioner of Patents and Trademarks is hereby ments or resulting therefrom to said assignes herein, as me and my legal representatives, heirs and assigns do execute and deliver all original, divisional, continuation, wements and all assignments thereof to said assignee or tives all facts known to the undersigned respecting said ences or other legal proceedings in which any of said ful papers, make all rightful oaths, and to do generally no and nominees to obtain patent protection for said elections to be borne and paid by said assignee.
And I do hereby authorize my attorneys to insert on this deed when known.	
State of California) SS:	adm Win
8/21/08	(Signature)
(Date)	(citture)
State of California) SS:	
County of Santa Clara)	
On kugust 21, 2008 before me.	personally
appeared Andrew Kirmse, who proved to me on the basis of subscribed to the within instrument and acknowledged to me capacity, and that by his/her signature on the instrument the pe	rean, or the entity upon behalf of which the person acted,
I make that the instruction.	
I certify under PENALTY OF PERJURY under the laws of the S	tate of California that the foregoing paragraph is true and
correct.	
WITNESS My hand and official seal.	
- VIII D. Ca-	XIM A. COOPER
(Notary Public)	OTATOMISSION # 1609793
- (Morary rapid)	Notary Public - California
"Total of 3 forms are submitted.	My Comm. Expires 6ep 29, 2009

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

On	State of California County ofSanta Clara)))
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) la/are subscribed to the within instrument and acknowledged to me that he/she/thelr executed the same in his/her/thelr authorized capacity(les), and that by his/her/thelr authorized capacity(les) and that by his/her/thelr authorized capacity(les) and that by his/her/thelr authorized capacity(les), and that by his/her/thelr authorized capacity(
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) la/are subscribed to the within instrument and acknowledged to me that he/she/thely executed the same in his/her/thelr authorized capacity(les), and that by his/her/thelr authorized capacit	personally appearedAndrew K	(Irmse Namets) of Signatus
Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent freudulent removal and restlectment of this form to another document. Description of Attached Document Title or Type of Document: Document Date: Signer(s) Other Than Named Above: Capacity(les) Claimed by Signer Signer's Name: Individual Corporate Officer — Title(s): Pertner — □ Umited □ General Attorney-in-Fact Trustee Guardian or Conservator Other:	KIM A. COOPER Commission # 1609793 Notary Public - California Santa Clara County	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and restlachment of this form to another document. Description of Attached Document Title or Type of Document: Document Date: Signer(s) Other Than Named Above: Capacity(les) Claimed by Signer Signer's Name: Individual Corporate Officer — Title(s): Partner — D Umited D General Attorney-in-Fact Trustee Guerdian or Conservator Other:	Place Notery Seal Abovs	Signature of Notary Public
Description of Attached Document Title or Type of Document: Document Date: Signer(s) Other Than Named Above: Capacity(les) Claimed by Signer Signer's Name: Individual Corporate Officer — Title(s): Pertner — D Umited D General Attorney-in-Fact Trustee Guardian or Conservator	and the standard but have been been and an arrangement but last	u Il may nave valuable to persons relying on the document
Title or Type of Document:	and could prevent fraudulant removal and	d restlechment of this form to another document.
Signer(s) Other Than Named Above: Capacity(les) Claimed by Signer Signer's Name: Individual Corporate Officer — Title(s): Pertner — D Umited D General Attorney-in-Fact Trustee Guardian or Conservator Other:	Description of Attached Document Title or Type of Document:	
Signer(s) Other Than Named Above: Capacity(les) Claimed by Signer Signer's Name: Individual Corporate Officer — Title(s): Pertner — D Umited D General Attorney-in-Fact Trustee Guardian or Conservator Other:	•	
Capacity(les) Claimed by Signer Signer's Name: Individual Corporate Officer — Title(s): Pertner — D Umited D General Attorney-in-Fact Trustee Guardian or Conservator Other:		
☐ Individual ☐ Corporate Officer — Title(s): ☐ Periner — ☐ Umited ☐ General ☐ Attorney-in-Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:	Capacity(les) Claimed by Signer	OF SPSNER
Pariner — D Umited D General Attorney-in-Fact Trustee Guardian or Conservator Other:		1
☐ Attorney-in-Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:	☐ Periner — ☐ Umited ☐ General	
☐ Guardian or Conservator ☐ Other:	☐ Attomey-in-Fact	
Signer is regresenting:	☐ Guardian or Conservator	
Call the Cal	Signer is representing:	

	(primer PTO/SB/15 (8-00) ModRed LDLKAM
	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	GOOGLE 3.0-008
Whereas (Reuel William Nash	of .
Whereas, I. Reuel William Nash 9712 Liano Estacado Lane; Austin, Texas 78759	V
	ain new and useful improvements in
METHODS FOR CHEATING AND EFFICIENTLY RE	
for which an application for a United States Letters Pate Application Number 12/231,290	ent was filed on August 28, 2009
Application Number 12/231,290 for which an application for a United States Letters Pater	nt was executed by me on
ior which an application for a United States Estates 1 aug.	
Whereas, Google Inc.	
a compression of the state of Delaware having a place of busine	es at
1600 Amphitheatre Parkway; Mountain View, California 94043	
is desirous of acquiring the entire right, title and interest in the sa	
NOW, THEREFORE, for good and valuable consideration the hereby sell, assign and set over to said assignee my entire rigit all other countries in and to said invention and the aforess continuation, continuation-in-part, substitute or reissue applications of States of America and all other countries, for said invention claiming priority or benefit of the afort including the right to oldin such priority or benefit and the authorized and requested to issue all patents on eald improve assignee of the entire interest therein; and the undereigned to hereby agree and covenant without further remuneration, to relasue and other applications for Letters Patent on said improving the assigns, to communicate to said assignee or its representation improvements, whenever requested, to testify in any interior applications or patents may become involved, to sign all law everything necessary to aid assignee, its successors, assigner improvements in all countries, the expenses incident to said application of this deed.	aid utility patent application and all original, divisional, prions and patenta applied for or granted therefor in the vention, including without limitation all applications and esaid utility application pursuant to any law or treaty, and commissioner of Patents and Trademarks is hereby merts or resulting therefrom to said assignee herein, as a rine and my legal representatives, heirs and assigns do execute and deliver all original, divisional, continuation, exements and all assignments thereof to said assignee or altives all facts known to the undersigned respecting said ences or other legal proceedings in which any of said full papers, make all rightful calls, and to do generally as and nominees to obtain patent protection for said pilications to be borne and paid by said assignee.
when known.	Jul W Har
8/26/2008 <u>(Date)</u>	(Signature)
(Date) State of Callingle 7244) 55:	A one of the a summany of the
Olars of Camio	. ^
County of Tray is	DANIE / PENESON PERSONALLY
On C/20/00 Cettore me,	
is subscribed to the within instrument and accordance to capacity, and that by his/her signature on the instrument the percent is to be a subscribed to the capacity.	argon, or the entity upon behalf of which the person acted,
I certify under PENALTY OF PERJURY under the laws of the S correct.	State of California that the foregoing paragraph is true and
WITNESS-my hand and official seal.	particular and property and the state of
C Jane	Darried Duringern
(Notary Public)	The same of the sa
Total of 3 forms are submitted.	

	former PTO/SB/18 (8-00) Medified LDLK&M
A COLCAMENT OF HITH ITY APPLICATION	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION X Total of 3 forms are submitted.	GOOGLE 3.0-008
	_,
Whereas, I, Steve Zelinka	of
705 N. Reportorff Avenue #28: Mountain View, California	94043
hereafter referred to as assignor, have with others invented cents METHODS FOR CREATING AND EFFICIENTLY REF IMAGERY FOR USE IN AN EARTH VIEWER	PRESENTING TIME-DEPENDENT
x for which an application for a United States Letters Patr	eni was filed on <u>August 28, 2008</u>
Application Number 12/231,290	
for which an application for a United States Letters Pater and	nt was executed by me on
Whereas, Google Inc.	
a compration of the state of Delaware having a place of busine	ess at
1600 Amobithestra Parkway: Mountain View, California 94043	
is desirous of acquiring the entire right, title and interest in the s	ame;
NOW, THEREFORE, for good and valuable consideration the hereby sell, assign and set over to said assignee my entire right other countries in and to said invention and the aforesaid utility continuation-in-pert, substitute or reissue applications and pate America and all other countries, for said invention, including invention dalming priority or benefit of the aforesaid utility apprint to deline such priority or benefit and the Commissioner requested to issue all patents on said improvements or resulting entire interest therein; and the undersigned for me and my legal covenant without further remuneration, to execute and delive applications for Letters Patent on said improvements and all communicate to said assignee or its representatives all facts in whenever requested, to testify in any interferences or other patents may become involved, to sign all lawful papers, make a to aid assignee, its successors, assigns and nominees to obtain the expenses incident to said applications to be borne and paid	patent application and all original, divisional, continuation, ints applied for or granted therefor in the United States of without limitation all applications and patents for said plication pursuant to any law or basty, and including the of Patents and Trademarks is hereby authorized and not therefrom to said assignee herein, he assignee of the life representatives, heirs and assigns do hereby agree and are rail original, divisional, continuation, relesue and other assignments thereof to said assignee or its assigns, to known to the undersigned respecting said improvements, legal proceedings in which any of said applications or all rightful oaths, and to do generally everything necessary in patent protection for said improvements in all countries, to yeard assignee.
And I do hereby authorize my attorneys to Insert on this deed when known. Aug 21 2008	3/WW1
(Date)	(Signature)
State of California) SS: County of State Class) On August 21,2007 before me appeared Stave Zelinka, who proved to me on the basis of subscribed to the within instrument and acknowledged to me capacity, and that by his/her signature on the instrument the periods.	erson, or the antity upon behalf of which the person acted,
certify under PENALTY OF PERJURY under the laws of the scored.	State of California that the foregoing paragraph is true and
WITNESS my hand and official seal. (Notary Public)	KIM A. COOPSR Commission # 1609793 Material Public - California Santa Clara County My Comm. Expires Sep 29, 2009
x *Total of 3 forms are submitted.	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California)) SS.	
County ofSanta Clara	,)	
OnAugust 21, 2008 , before me,	Kim A. Cooper, Notary Publi Here insert Name and Tible of the C	O
personally appeared Stephen		-
KIM A. COOPER Commission # 1609793 Notary Public California Santa Clara County My Comm. Expires Sep 29, 2009	who proved to me on the basis evidence to be the person(s) w is/are subscribed to the within it acknowledged to me that he/she the same in his/her/their	hose name(s) netrument and /they executed
OF	PTIONAL	- the decument
Though the information below is not required by later and could prevent fraudulent removal ar	w, it may prove valuable to persons relying o nd realtachment of this form to another doour	nent
Description of Attached Document Title or Type of Document:		
Document Date:	Number of Pages:	
Signer(s) Other Then Named Above:		RIGHT TOUMPERN
Capacity(les) Claimed by Signer	·	OF SIGNER Top of thumb here
Signer's Name:		
☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General		
☐ Partner — ☐ Limited ☐ General		
☐ Trustee		
☐ Guardian or Conservator		
Other.		
Signer is representing:		

PATENT REEL: 029016 FRAME: 0188

RECORDED: 09/19/2012