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 FORM COVER SHEET		
PATENTS	ONLY	
To the Director of the U.S. Patent and Trademark Office: Please is	record the attached documents or the new address(es) below.	
1. Name of conveying party(ies):	2. Name and address of receiving party(les)	
Cyprian Emeka Uzoh (08/30/2012), Charles G. Woychik (08/30/2012), Terrence Caskey	Name: Invensas Corporation	
(09/05/2012),	Internal Address:	
Additional name(s) of conveying party(les) attached?	Street Address:	
3. Nature of conveyence/Execution Date(s):		
Execution Date(s): In parentheses after inventor name	2702 Orchard Perkway	
x Assignment Merger Change of Name		
Sacurity Agreement Joint Research Agreement	City: San Jose	
Government Interest Assignment	State: California	
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 95134 Additional name(s) & address(es) Yes X No	
Other	allached?	
A. Patent Application No.(s) 13/492,064 Additional numbers attached?	B. Patent No.(s) Yes XNo	
5. Name and address to whom correspondence concerning document should be malled:	6. Total number of applications and patents involved:	
Name: Joseph H. Karlin LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Atty. Dkt.: Street Address: 600 South Avenue West	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		
Fax Number: 908-654-7866	Deposit Account Number 12-1095	
Email Address: ataylor@idikm.com	Authorized User Name Joseph H. Karlin	
9. Signature: Jones H. Kal-	September 18, 2012	
Signature	Date	
Joseph H. Karlin - 62,471 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:	

PATENT REEL: 029018 FRAME: 0207

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L	U	L	N

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)			
Additional Conveying Party(ies)/Execution Date(s) (1. Continued):			
Kishor V. Desai (08/31/2012), Huaillang Wei (09/08/2012), Craig Mitchell (09/05/2012), and Belgacem Haba (08/30/2012)			
Additional Assignees (2. Continued):			
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:
Additional Applications and/or Patents (4. Continued):			<u> </u>
	Additional Applications and/or Patents (4. Continued):		
4A. Continued:	Additional Patent Application Numbers Additional Patent Numbers 4A. Continued: 4B. Continued:		
	Additional numbers attached	Yes No	

Docket No.:

	former PTO/SB/15 (8-80) Modified LDLK&M	
	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.0-741	
Emeka cora 120/20	rz,	
Whereas, I, Cyprian Uzoh	of	
c/o Inversas Corporation; 3025 Orchard Parkway; San	lose California 95134	
hereafter referred to as assignor, have with others invented certain		
REDUCED STRESS TSV AND INTERPOSER STRU		
X for which an application for a United States Letters Pate		
Application Number 13/492,064		
for which an application for a United States Letters Pater	nt was executed by me on	
end		
Whereas, Invensas Corporation	and the production in	
a corporation of <u>Delaware</u> herein referred to as "essignee" whos	e mailing address is	
3026 Orchard Parkway; San Jose, Callfornia 95134 Is desirous of acquiring the entire right, title and interest in the sa	ime:	
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said sesignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any Interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all sawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said Improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.		
Ang 30, 2012	Harum 82. 4352-	
(Date)	(Signature)	
NOTARY SECTION		

State of California County of Santa Clara

On 8/30/2012 before me, Salina Diez, notary Public, personally appeared Cyffian E. W20h who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he have executed the same in his/her suthorized capacity, and that by his/her signature on the Instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of <u>California</u> that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Of Notary Public (Seal)

SALINA DIAZ
Commission # 1689526
Notary Public - California
Santa Clara County
My Comm. Expirer May 16, 2014

CA) INA DIAZ
Commission # 1889528
Notary Public - California
Santa Clara County
My Comm. Expires May 16, 2014

PATENT

former PTO/SR/18 (8-00) Modified LOUKAM

	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.0-741
Whereas, I, Charles G. Woychik	of
c/o Invensas Corporation; 3025 Orchard Parkway; San .	Jose, California 95134
hereafter referred to as assignor, have with others invented certain REDUCED STRESS TSV AND INTERPOSER STRU	ain new and useful improvements in
x for which an application for a United States Letters Pate Application Number 13/492,064	··
for which an application for a United States Letters Pater and	nt was executed by me on ,
Whereas, Invensas Corporation a corporation of Delaware herein referred to as "assignee" whose 3025 Orchard Parkway, San Jose, California 95134	se mailing address is
is desirous of acquiring the entire right, title and interest in the sa	ame;
is acknowledged, and other good and valuable consideration, I assignee my entire right, title and Interest for the United Stati Invention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or greather countries, for said invention, including without limitation a priority or benefit of the aforesaid utility application pursuant to a priority or benefit and the Commissioner of Patents and Trader patents on said improvements or resulting therefrom to said therein; and the undersigned for me and my legal representative without further remuneration, to execute and deliver all original, for Lettere Patent on said improvements and all essignments the osaid assignee or its representatives all facts known to the undersigned, to testify in any interferences or other legal processed become involved, to sign all lawful papers, make all rightful or assignee, its successors, assigns and nominees to obtain patent expenses incident to said applications to be borne and paid by a	es of America and all other countries in and to eaid original, divisional, continuation, continuation-in-part, anted therefor in the United States of America and all ill applications and patents for said invention claiming any law or treaty, and including the right to claim such marks is hereby authorized and requested to issue all assignee herein, as assignee of the entire interest res, hairs and assigns do hereby agree and covenant divisional, continuation, reissue and other applications hereof to said assignee or its assigns, to communicate undersigned respecting said improvements, whenever lings in which any of said applications or patents may aths, and to do generally everything necessary to aid at protection for said improvements in all countries, the said assignee.
And I do hereby authorize my attorneys to insert on this deed the when known.	(Signature)
8/31/z1/2 U	(Signature)
	(-3)
NOTARY SECTION	
te of California	

State of California County of Santa Clara

On 8 30 20 12 before me, Salina Diaz, notary Public, personally appeared Charles G. Wouch't who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that fighthe executed the same in fighter signature on the Instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of <u>California</u> that the foregoing paragraph is true and correct.

WITNESS my hand and official seal,

Signature ____

Sinnature of Notacy Publish



termer PTO/SB/15 (8-00) Modified LOLKEM

LDLKM	→ USPTO	ASSIGNMENT	(2)
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Whereas, I,Terrence Caskey	ew and useful improvements in RES as filed onJune 8, 2012
c/o Invensas Corporation; 3025 Orchard Parkway; San Jose hereafter referred to as assignor, have with others invented certain or REDUCED STRESS TSV AND INTERPOSER STRUCTU in for which an application for a United States Letters Patent w Application Number 13/492,064 for which an application for a United States Letters Patent wa and	California 95134 ew and useful improvements in RES as filed onJune 8, 2012
c/o Invensas Corporation; 3025 Orchard Parkway; San Jose hereafter referred to as assignor, have with others invented certain or REDUCED STRESS TSV AND INTERPOSER STRUCTU in for which an application for a United States Letters Patent w Application Number 13/492,064 for which an application for a United States Letters Patent wa and	ew and useful improvements in RES as filed onJune 8, 2012
hereafter referred to as assignor, have with others invented certain no REDUCED STRESS TSV AND INTERPOSER STRUCTU X for which an application for a United States Letters Patent was Application Number 13/492,064 for which an application for a United States Letters Patent was and	ew and useful improvements in RES as filed on
REDUCED STRESS TSV AND INTERPOSER STRUCTU X for which an application for a United States Letters Patent w Application Number 13/492,064 for which an application for a United States Letters Patent wa and	RES as filed on June 8, 2012
Application Number13/492,064 for which an application for a United States Letters Patent wa and	
Application Number 13/492,064 for which an application for a United States Letters Patent wa and	
and	s executed by me on,
Whereas, Invensas Corporation	
a corporation of <u>Delaware</u> herein referred to as "assignee" whose ma	el esembba gnilia
3025 Orchard Parkway, San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same;	
assignee my sniire right, title and interest for the United States of Invention and the aforesald utility patent application and all origin substitute or reissue applications and patents applied for or granted other countries, for said invention, including without limitation all appriority or benefit of the aforesaid utility application pursuant to any lipriority or benefit and the Commissioner of Patents and Trademarks patents on said improvements or resulting therefrom to said assisterier; and the undersigned for me and my legal representatives, it without further remuneration, to execute and deliver all original, divided for Letters Patent on said improvements and all assignments thereo to said assignee or its representatives all facts known to the under requested, to testify in any interferences or other legal proceedings become involved, to sign all lawful papers, make all rightful oaths, assignee, its successors, assigns and nominees to obtain patent pro-	nal, divisional, continuation, continuation-in-part if therefor in the United States of America and all plications and patents for said invention claiming aw or treaty, and including the right to claim such as is hereby authorized and requested to issue all gnee herein, as assignee of the entire interest neirs and assigns do hereby agree and covenant of the continuation, reissue and other applications of the said assignee or its assigns, to communicate signad respecting said improvements, wheneve in which any of said applications or patents may and to do generally everything necessary to aid tection for said improvements in all countries, the
expenses incident to said applications to be bome and paid by said a	49(H1)64
expenses incident to said applications to be bome and paid by said a And I do hereby authorize my attorneys to insert on this deed the filin when known.	-
And I do hereby authorize my attorneys to insert on this deed the filin	-

WITNESS my hand and official seal.

I certify under PENALTY OF PERJURY under the laws of the State of <u>California</u> that the foregoing paragraph is true and correct.

PATENT REEL: 029018 FRAME: 0211

former PTO/S8/16 (8-00) Modified LDLKAM

	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.0-741
- III	
Whereas, I, Kishor V. Desai	of
1828 Cameron Hills Court; Fremont, Catifornia 94539	
nereafter referred to as assignor, have with others invented cert	
REDUCED STRESS TSV AND INTERPOSER STRU	7.7.7.1
X for which an application for a United States Letters Pat	ent was filed on <u>June 8, 2012</u>
Application Number 13/492,064	
for which an application for a United States Letters Pate	nt was executed by me on
and	
Whereas, Invensas Corporation	
corporation of <u>Delaware</u> herein referred to as "assignee" who	se malling address is
3025 Orchard Parkway, San Jose, California 95134	
s desirous of acquiring the entire right, title and interest in the s	ame;
NOW, THEREFORE, in consideration of the sum of one	dollars (\$ 1.00), the receipt whe
essignee my entire right, title and Interest for the United State Invention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or grather countries, for said invention, including without limitation applied to the aforesaid utility application pursuant to priority or benefit and the Commissioner of Patents and Trade extents on said improvements or resulting therefrom to said herein; and the undersigned for me and my legal representation without further remuneration, to execute and deliver all original, for Letters Patent on said improvements and all assignments the said assignee or its representatives all facts known to the requested, to testify in any interferences or other legal proceed become involved, to sign all lawful papers, make all rightful or assignee, its successors, assigns and nominees to obtain pater expenses incident to said applications to be borne and paid by successors.	original, divisional, continuation, continuation-in-panted therefor in the United States of America and all applications and patents for said invention claims any law or treaty, and including the right to claims marks is hereby authorized and requested to issue a assignee herein, as assignee of the entire interves, heirs and assigns do hereby agree and cover divisional, continuation, release and other applications for said assignee or its assigns, to communiculate to said assignee or its assigns, to communiculate to said assignee and improvements, whenever the said applications or patents in although to do generally everything necessary to the protection for said improvements in all countries,
And I do hereby authorize my attorneys to insert on this deed the when known.	•
8/3//2012	e filing date and application number of said application
when known	•
8/3//2012	e filing date and application number of said application
NOTARY SECTION	e filing date and application number of said applicat
NOTARY SECTION	e filing date and application number of said applica

State of County

Qπ appeare of satisfa within instrument and acknowledged to me that he same in (instrument and acknowledged to me that he secured the same in (instrument authorized capacity, and that by his ner signature on the instrument the person, or the entity upon behalf of which the person 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.

WITNESS my hand and official sea

Signeture _

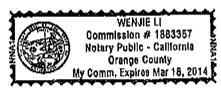
Signature of Notary Public

(Seal)

Notary Public - California Santa Clara County My Comm. Expires May 18, 2014

My Comm. Expires May 16, 2014 Santa Clara County Notary Public - California Commission # 1869526 SALINA DIAZ

	tomer PTO/SBY's (8-00) Modified LDLKAM Dockel Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.0-741
	11170.007.77
Lingtons Wel	of
Vheress, I, Hualilang Wel 2038 Londonderry Drive; Allen, Texas 75013	
ereafter referred to as assignor, have with others invented certa	sin new and useful improvements in
REDUCED STRESS TSV AND INTERPOSER STRU	
X for which an application for a United States Letters Pale Application Number 13/492,064	ent was filed onJune 8, 2012
for which an application for a United States Letters Pater and	nt was executed by me on,
Whereas, <u>Invenses Corporation</u>	
corporation of Delaware herein referred to as "assignes" who	se malling address is
3025 Orchard Parkway; San Jose, California 95134 a desirous of acquiring the entire right, title and interest in the si	ame;
, -	dollars (\$ 1.00), the receipt whereof
assignee my entire right, title and interest for the United State invention and the aforesald utility patent application and all substitute or reissue applications and patents applied for or grapher countries, for said invention, including without limitation application or benefit of the aforesald utility application pursuant to priority or benefit and the Commissioner of Patents and Trade patents on said improvements or resulting therefrom to said wherein; and the undersigned for me and my legal representativiting further remuneration, to execute and deliver all original, for Letters Patent on said improvements and all assignments to said assignments the said assignments of the requested, to testify in any interferences or other legal process requested, to testify in any interferences or other legal process assignee, its successors, assigns and nominees to obtain pate expenses incident to said applications to be borne and paid by	original, divisional, continuation, continuation-in-pert, anted therefor in the United States of America and all all applications and patents for said invention claiming any law or treaty, and including the right to claim such marks is hereby authorized and requested to issue all assignee herein, as assignee of the entire interest ves, heirs and assigns do hereby agree and covenant divisional, continuation, reissue and other applications hereof to said assignee or its assigns, to communicate undersigned respecting said improvements, whenever dings in which any of said applications or patents may afts, and to do generally everything necessary to aid int protection for said improvements in all countries, the said assignee.
And I do hereby authorize my attorneys to insert on this deed the when known.	ne filling date and application number of said application
9/8/2012 (Date)	- W
State of California) ss:	(Signature) e me personally came the above-named <u>Huaillang</u>
On this Study of September 20 before Wel, to me personally known as the includual who executed the same was executed by him/her of his/her own free will for the	he foregoing instrument, who acknowledged to me that
(Notary Public)	- +
x *Total of 7 forms are submitted.	
D.526	



	former PTO/SB/16 (8-00) Modified LDUK&M
	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.0-741
···	
Whereas, I, Craig Mitchell	of October
c/o Invensas Corporation; 3025 Orchard Parkway; San	
hereafter referred to as assignor, have with others invented certain	
REDUCED STRESS TSV AND INTERPOSER STRU	
X for which an application for a United States Letters Pate	ent was filed on June 8, 2012
Application Number 13/492,064	
for which an application for a United States Letters Pater	nt was executed by me on
and	
Whereas, Invensas Corporation	
a corporation of Delaware herein referred to as "assignee" whose	e mailing address is
3025 Orchard Parkway; San Jose, California 95134	
is desirous of acquiring the entire right, little and interest in the sa	ame;
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, is assignee my entire right, title and interest for the United State invention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or greather countries, for said invention, including without limitation a priority or benefit of the aforesaid utility application pursuant to a priority or benefit and the Commissioner of Patents and Trader patents on said improvements or resulting therefrom to said therein; and the undersigned for me and my legal representative without further remuneration, to execute and deliver all original, for Latters Patent on said improvements and all assignments that to said assignee or its representatives all facts known to the unrequested, to testify in any interferences or other legal proceed become involved, to sign all lawful papers, make all rightful or assignee, its successors, essigns and nominees to obtain patent expenses incident to said applications to be borne and paid by said applications to be borne and paid by said applications.	as assignor hereby sell, assign and set over to sald set of America and all other countries in and to said original, divisional, continuation, continuation-in-part, anted therefor in the United States of America and all applications and patents for said invention claiming any law or treaty, and including the right to claim such marks is hereby authorized and requested to issue all assignee herein, as assignee of the entire interest res, heirs and assigns do hereby agree and covenant divisional, continuation, reissue and other applications are for to said assignee or its assigns, to communicate ereof to said assignee or its assigns, to communicate indersigned respecting said improvements, whenever lings in which any of said applications or patents may aths, and to do generally everything necessary to aid its protection for said improvements in all countries, the aid assignee.
And I do hereby authorize my attorneys to insert on this deed the when known.	
9/5//2_ (Date) NOTARY SECTION	Cining Mitchell
(Date)	(Signature)
NOTARY SECTION	*

State of California County of Santa Clara

On 9/5/2012 before me, Salina Diaz, notary Public, personally appeared (Traig M. Freel), who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and scknowledged to me that the executed the same in the authorized capacity, and that by figher signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. 9/5/2012 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.

WITNESS my hand and official seal.

Signature 📈

SALINA DIAZ Commission # 1889526 Notary Public - California Santa Clara County My Comm. Expires May 16, 2014

PATENT

corporation of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway; San Jose, California, 95134 desirous of acquiring the entire right, title and Interest in the same; OW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt where acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to sa signee my entire right, title and interest for the United States of America and all other countries in and to sa vention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-paintstitute or reissue applications and patents applied for or granted therefor in the United States of America and all their countries, for said Invention, including without limitation all applications and patents for said Invention including without limitation all applications and patents for said Invention including without limitation all applications and patents for said Invention calmit is on the properties of the aforesaid utility application pursuant to any law or treaty, and including the right to claim susticinty or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue attents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interection; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covena thout further remuneration, to execute and deliver all original, divisional, continuation, relistue and other application or Lettere Patent on said improvements and all assignments thereof to said assignee or its assigns, to communical said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever quested, to testify in any interferences or other legal proceedings in which any of said applications or patents me involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to		former PTO/SE/15 (8-90) Modified LDLK	
c/o Invenses Corporation; 3025 Orchard Parkway; San Jose, California 95134 ereafter referred to as assignor, have with others invented certain new and useful improvements in REDUCED STRESS TSV AND INTERPOSER STRUCTURES X for which an application for a United States Letters Patent was filed on June 8, 2012 Application Number 13/492,064 Gor which an application for a United States Letters Patent was executed by me on and Invenses Corporation Gelewarg herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway; San Jose, California 95134 desirous of acquiring the entire right, title and Interest in the same; OW. THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt where acknowledged, and other good and valuable consideration, I as assigner hereby sell, assign and set over to as signee my entire right, title and interest for the United States of America and all other countries in and to as signee my entire right, title and interest for the United States of America and all other countries in and to a result until year that application and all original, divisional, continuation, continuation-in-painstitute or reissue applications and patents applied for or granted therefor in the United States of America and a interest outlines, for said invention, including without limitation all applications and patents for said invention claimle interest or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue is tents on each improvements or resulting therefrom to said assignee herein, as assignee of the entire Interestric, and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covena thout further remuneration, to execute and deliver all original, divisional, continuation, release and chery application and all displayments thereof to said assignse or the entire interestric, and the undersigned for me and my legal representatives, heirs and assigned provements or	ASSIGNMENT OF UTILITY APPLICATION		
c/o Invenses Corporation; 3025 Orchard Parkway; San Jose, California 95134 ereafter referred to as assignor, have with others invented certain new and useful improvements in REDUCED STRESS TSV AND INTERPOSER STRUCTURES X for which an application for a United States Letters Patent was filed on June 8, 2012 Application Number 13/492,064 Gor which an application for a United States Letters Patent was executed by me on and Invenses Corporation Gelewarg herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway; San Jose, California 95134 desirous of acquiring the entire right, title and Interest in the same; OW. THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt where acknowledged, and other good and valuable consideration, I as assigner hereby sell, assign and set over to as signee my entire right, title and interest for the United States of America and all other countries in and to as signee my entire right, title and interest for the United States of America and all other countries in and to a result until year that application and all original, divisional, continuation, continuation-in-painstitute or reissue applications and patents applied for or granted therefor in the United States of America and a interest outlines, for said invention, including without limitation all applications and patents for said invention claimle interest or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue is tents on each improvements or resulting therefrom to said assignee herein, as assignee of the entire Interestric, and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covena thout further remuneration, to execute and deliver all original, divisional, continuation, release and chery application and all displayments thereof to said assignse or the entire interestric, and the undersigned for me and my legal representatives, heirs and assigned provements or	10		
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State of California County of Santa Clara

On \$ 30/2012 before me, Salina Diaz, notary Public, personally appeared Scioncom the besis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that Sehe executed the same in the person, or the entity upon behalf of which the person acted, executed the instrument.

I cartify under PENALTY OF PERJURY under the laws of the State of <u>California</u> that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Water State (Seal)

SALINA DIAZ
Commission # 1889528
Notary Public - California
Santa Clara County
My Comm. Expiras Mar 16 10 N T

REEL: 029018 FRAME: 0215

RECORDED: 09/18/2012