# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3339248

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
CYPRIAN EMEKA UZOH	08/30/2012
CHARLES G. WOYCHIK	08/30/2012
TERRENCE CASKEY	09/05/2012
KISHOR V. DESAI	08/31/2012
HUAILIANG WEI	09/08/2012
CRAIG MITCHELL	09/05/2012
BELGACEM HABA	08/30/2012

### **RECEIVING PARTY DATA**

Name:	INVENSAS CORPORATION
Street Address:	3025 ORCHARD PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14643264

## **CORRESPONDENCE DATA**

**Fax Number:** (214)200-0853

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 214-651-5000

**Email:** ipdocketing@haynesboone.com

Correspondent Name: HAYNES AND BOONE, LLP - IP SECTION

Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	48259.183US02
NAME OF SUBMITTER:	ERIKA WONG
SIGNATURE:	/Erika Wong/
DATE SIGNED:	05/05/2015

# Total Attachments: 7 source=48259\_183US02\_Assignment#page1.tif source=48259\_183US02\_Assignment#page2.tif source=48259\_183US02\_Assignment#page3.tif source=48259\_183US02\_Assignment#page4.tif source=48259\_183US02\_Assignment#page5.tif source=48259\_183US02\_Assignment#page6.tif source=48259\_183US02\_Assignment#page7.tif

A PARTON NO. AND NO.	former PTO/SB/15 (8-00) Modified LDLK&M
	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.0-741
z Emeka ceraolzo	12,
Whereas, I, Cyprian Uzoh	of
c/o Invensas Corporation; 3025 Orchard Parkway; San	The state of the s
hereafter referred to as assignor, have with others invented certain	
REDUCED STRESS TSV AND INTERPOSER STRU	CTURES
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	makaya hana da makaya an
Whereas, Invensas Corporation	
a corporation of Delaware herein referred to as "assignee" whos	e mailing address is
3025 Orchard Parkway; San Jose, California 95134	
is desirous of acquiring the entire right, title and interest in the sa	ime;
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United Statinvention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or graother 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 Letters Patent on said improvements and all assignments the 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, assigns and nominees to obtain patent expenses incident to said applications to be borne and paid by s	es 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 es, heirs and assigns do hereby agree and covenant divisional, continuation, reissue and other applications ereof to said assignee or its assigns, to communicate ndersigned respecting said improvements, whenever ings in which any of said applications or patents may iths, and to do generally everything necessary to aid t protection for said improvements in all countries, the
And I do hereby authorize my attorneys to insert on this deed the when known.	
Ang 30, 2012 (Date)	- prui 2. 1/32
(Date)	(Signature)
NOTARY SECTION	: ·
o of California	

State of California County of Santa Clara

On \$\ 30\2012 before me, Salina Diaz, notary Public, personally appeared Cyfrian E. U.20\ , 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 authorized 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.

(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.

WITNESS my hand and official seal.

Signature

My Comm. Expires May 16, 2014

SALINA DIAZ Commission # 1889526 Notary Public - California Santa Clara County

CALINA DIA7

Commission # 1889526

Notary Public - California

Santa Clara County

My Comm. Expires May 16, 2014

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION TIPI 3.0-741 Whereas, I, Charles G. Woychik c/o Invensas Corporation; 3025 Orchard Parkway; San Jose, California 95134 hereafter 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 for which an application for a United States Letters Patent was executed by me on Whereas, Invensas Corporation a corporation of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway; San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollars (\$ ), 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 assignee 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 lawful 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. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

30/2012 Chake 19. Thyen

\_NOTARY SECTION\_

State of California County of Santa Clara

On 8 30 2012 before me, Salina Diaz, notary Public, personally appeared Charles G. Woychik , 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 Dahe executed the same in his her authorized 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.

(Seal)

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

WITNESS my hand and official seal.

NNA1

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

**PATENT** 

REEL: 035564 FRAME: 0473

former PTO/SB/15 (8-00) Modified LDLK&M

Docket Number (Optional)

ASSIGNMENT OF UTILITY APPLICATION TIPI 3.0-741 Whereas, I. Terrence Caskey c/o Invensas Corporation; 3025 Orchard Parkway; San Jose, California 95134 hereafter 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 for which an application for a United States Letters Patent was executed by me on and Whereas, Invensas Corporation a corporation of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway; San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollars (\$ ), 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 assignee 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 lawful 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. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. (Date) **NOTARY SECTION** State of California County of Santa Clara 2012 before me, Salina Diaz, notary Public, personally appeared Terrence Castom, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the SALINA DIAZ within instrument and acknowledged to me that he/she executed the same Commission # 1889526 in/his/her-authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, Notary Public - California Santa Clara County executed the instrument. My Comm. Expires May 16, 2014 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

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION TIPI 3.0-741 Whereas, I, Kishor V. Desai 1828 Cameron Hills Court; Fremont, California 94539 hereafter 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 for which an application for a United States Letters Patent was executed by me on Whereas. Invensas Corporation a corporation of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway; San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same; 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 assignee 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 lawful 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. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. 8/3/12012 (Date) (Signature) NOTARY SECTION State of California County of Santa Clara 8/31/212 before me, Salina Diaz, notary Public, personally appeared Kishol Dr. Soi, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the SALINA DIAZ Commission # 1889526 within instrument and acknowledged to me that he she executed the same Notary Public - California in fing her authorized capacity, and that by his her signature on the Santa Clara County instrument the person, or the entity upon behalf of which the person acted, My Comm. Expires May 16, 2014 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.

Signature of Notary Public

WITNESS my hand and official seal.

Signature\_

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

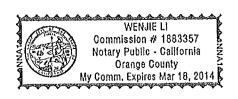
PATENT

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION TIPI 3.0-741 Whereas, I, Huailiang Wei 2036 Londonderry Drive; Allen, Texas 75013 hereafter 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 United 8, 2012 Application Number 13/492,064 for which an application for a United States Letters Patent was executed by me on Whereas, Invensas Corporation a corporation of Delaware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway; San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 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 assignee 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 lawful 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. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. (Signature) State of County of before me personally came the above-named Huailiang Wei, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth. (Notary Public)

\*Total of

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forms are submitted.



former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional)

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To an elicit de service de la constantina della	ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.0-741	***************************************
STATE OF THE PROPERTY OF THE P	Whereas, I, Craig Mitchell		of
	c/o Invensas Corporation; 3025 Orchard Parkway; San Jose, California 95134		
	hereafter 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 Pate Application Number 13/492,064		
	for which an application for a United States Letters Pater	the second by many	
	and	it was executed by the off	•
	diff		
	Whereas, Invensas Corporation		
	a corporation of Delaware herein referred to as "assignee" whos	e mailing address is	
	3025 Orchard Parkway; San Jose, California 95134	•	
	is desirous of acquiring the entire right, title and interest in the sa	ame;	
200	NOW THEDERODE in consideration of the own of	dellars /6 d 00 ) Also mandated	<del></del> .
	NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, I assignee my entire right, title and interest for the United Statinvention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or grading other 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 Letters 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, assigns and nominees to obtain patent expenses incident to said applications to be borne and paid by such and I do hereby authorize my attorneys to insert on this deed the when known.	as assignor hereby sell, assign and set over to es of America and all other countries in and to original, divisional, continuation, continuation-in- inted therefor in the United States of America a Il applications and patents for said invention cal- any law or treaty, and including the right to claim narks is hereby authorized and requested to iss assignee herein, as assignee of the entire in- es, heirs and assigns do hereby agree and cov- divisional, continuation, reissue and other applicated ereof to said assignee or its assigns, to commundersigned respecting said improvements, whe ings in which any of said applications or patents this, and to do generally everything necessary t protection for said improvements in all countries aid assignee.	o said o such such such such such such such such
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	7/3//	Clary Pulcher	
	(Date) NOTARY SECTION	(Signature)	
State of California County of Santa C			
within instrument a in his/her authorize instrument the per executed the instru	who proved to me on the basis  Threet who proved to me on the basis  Three to be the person whose name is subscribed to the  and acknowledged to me that new acknowledged	SALINA DIAZ Commission # 1889526 Notary Public - California Santa Clara County My Comm. Expires May 16, 2014	

WITNESS my hand and official seal.

<u>California</u> that the foregoing paragraph is true and correct.

Signature of Notary Public

**PATENT** 

**REEL: 035564 FRAME: 0477** 

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ASSIC	SNMENT OF UTILITY APPLICATION	TIPI 3.0-741
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	vensas Corporation; 3025 Orchard Parkway; San .	A CONTRACTOR OF THE PROPERTY O
	eferred to as assignor, have with others invented certe JCED STRESS TSV AND INTERPOSER STRU	
8	r which an application for a United States Letters Pate pplication Number13/492,064	ent was filed onJune 8, 2012
f hymnel	r which an application for a United States Letters Pater nd	it was executed by me on ,
Whereas,	Invensas Corporation	
3	on of <u>Delaware</u> herein referred to as "assignee" whos	e mailing address is
	rchard Parkway; San Jose, California 95134 of acquiring the entire right, title and interest in the sa	me:
assignee r invention a substitute other coun priority or t priority or t patents on therein; an without furt for Letters to said ass requested, become in assignee, i	edged, and other good and valuable consideration, I my entire right, title and interest for the United State and the aforesaid utility patent application and all for reissue applications and patents applied for or gratines, for said invention, including without limitation a benefit of the aforesaid utility application pursuant to a benefit and the Commissioner of Patents and Tradents said improvements or resulting therefrom to said the undersigned for me and my legal representative their remuneration, to execute and deliver all original, a Patent on said improvements and all assignments the signee or its representatives all facts known to the upon to testify in any interferences or other legal proceeding volved, to sign all lawful papers, make all rightful oats successors, assigns and nominees to obtain patent incident to said applications to be borne and paid by signed and the said applications to be borne and paid by signed and the said applications to be borne and paid by signed and the said applications to be borne and paid by signed and the said applications to be borne and paid by signed and the said applications to be borne and paid by signed and the said applications to be borne and paid by signed and the said applications to be borne and paid by signed and the said applications to be said applications.	es of America and all other countries in and to sain original, divisional, continuation, continuation-in-part nted therefor in the United States of America and a ill applications and patents for said invention claiming any law or treaty, and including the right to claim such arks is hereby authorized and requested to issue a assignee herein, as assignee of the entire interest es, heirs and assigns do hereby agree and covenant divisional, continuation, reissue and other applications ereof to said assignee or its assigns, to communicate andersigned respecting said improvements, wheneve and in which any of said applications or patents man this, and to do generally everything necessary to aid to protection for said improvements in all countries. The
And I do he when know	ereby authorize my attorneys to insert on this deed the	/
N	8/30/2012 (Date) OTARY SECTION	Bel 8 Mstignature)
State of California County of Santa Clara		
appeared <u>belgatem the</u> of satisfactory evidence to be within instrument and acknowl his her authorized capacity, ar	re me, Salina Diaz, notary Public, personally who proved to me on the basis the person whose name is subscribed to the edged to me that Pahe executed the same in ad that by (Isher signature on the instrument behalf of which the person acted, executed the	

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.

instrument.

Signature Waller (Seal) Signature of Notary Public

SALINA DIAZ Commission # 1889526 Notary Public - California Santa Clara County

My Comm. Expires May 16, 2014

PATENT

**REEL: 035564 FRAME: 0478** 

former PTO/\$B/15 (8-00) Modified LDLK&M

**RECORDED: 05/05/2015**