PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2809055

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RICHARD DEWITT CRISP	04/02/2012
WAEL ZOHNI	04/02/2012
BELGACEM HABA	04/02/2012
FRANK LAMBRECHT	04/02/2012

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:	14244007

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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

US Mail.

Phone: (908) 518-6396

Email: Assignment@ldlkm.com

Correspondent Name: LDLK&M

Address Line 1: 600 SOUTH AVENUE WEST

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	TIPI 3.9-691 C CON (E)
NAME OF SUBMITTER:	DARYL K. NEFF
SIGNATURE:	/Daryl K. Neff/
DATE SIGNED:	04/10/2014

Total Attachments: 4

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PATENT 502762459 REEL: 032647 FRAME: 0689

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PATENT REEL: 032647 FRAME: 0690

ASSIGNMENT OF LITH ITY APPLICATION.

Docket Number (Optional)

Approximation and a second of the home and a second	TIPI 3.12-691 A
Whereas, I, Frank Lambrecht	of
c/o Invensas Corporation; 2702 Orchard Parkway; San Jose, C	California 95134
hereafter referred to as assignor, have with others invented certain new STUB MINIMIZATION FOR WIREBOND ASSEMBLIES WI	
x for which an application for a United States Letters Patent was	filed on
Application Number	
for which an application for a United States Letters Patent was and	executed by me on
Whereas, Invensas Corporation	
a corporation of <u>Detaware</u> herein referred to as "assignee" whose mailing 2702 Orchard Parkway, San Jose, California 95134	ng address is
is desirous of acquiring the entire right, title and interest in the same;	
	States of America and all other countries in and all original, divisional, continuation, uplied for or granted therefor in the United aithout limitation all applications and patents polication pursuant to any law or treaty, and oner of Patents and Trademarks is hereby as or resulting there from to said assignee for me and my legal representatives, heirs ration, to execute and deliver all original, a Patent on said improvements and all to said assignee or its representatives all are requested, to testify in any interferences at the may become involved, to sign all lawful any to aid assignee, its successors, assigns all countries, the expenses incident to said and interest in United States Provisional of October 3, 2011, and in United States in the inventions disclosed thereto in all efit of said Application Nos. 61/542,488,
And I do hereby authorize my attorneys to insert on this deed the application when known.	filing date and application number of said
(Date)	(Signature)
State of California) SS:	V - 1440-1540-16
County of January (Marie)	Selina Diaz, Notary Public
On	is of satisfactory evidence to be the person d to me that he is executed the same in
I certify under PENALTY OF PERJURY under the laws of the State of true and correct.	f California that the foregoing paragraph is
	SALINA DIAZ
WITNESS my hand and official seat:	Commission # 1889526 Notary Public - California
(Notary Public)	Santa Clara County My Within Expires May 16, 2014
x *Total of 4 forms are submitted.	

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

	TIPI 3,12-691 A
Whereas, I, Richard Dewitt Crisp c/o Invensas Corporation; 2702 Orchard Parkway; San Jose, Ca	of slifornia 95134
hereafter referred to as assignor, have with others invented certain new a STUB MINIMIZATION FOR WIREBOND ASSEMBLIES WITI	and useful improvements in
x for which an application for a United States Letters Patent was	filed on
Application Number	
for which an application for a United States Letters Patent was exand	Recuted by me on,
Whereas, Invensas Corporation	
a corporation of <u>Delaware</u> herein referred to as "assignee" whose mailing	g address is
2702 Orchard Parkway; San Jose, California 95134	
is desirous of acquiring the entire right, title and interest in the same;	allow 10° d 00°) the model
whereof is acknowledged, and other good and valuable consideration, over to said assignee my entire right, title and interest for the United St and to said invention and the aforesaid utility patent application a continuation-in-part, substitute or reissue applications and patents app States of America and all other countries, for said invention, including will for said invention claiming priority or benefit of the aforesaid utility applinctuding the right to claim such priority or benefit and the Commission authorized and requested to issue all patents on said improvements herein, as assignee of the entire interest therein; and the undersigned f and assigns do hereby agree and covenant without further remunerativisional, continuation, reissue and other applications for Letters assignments thereof to said assignee or its assigns, to communicate the facts known to the undersigned respecting said improvements, whenever or other legal proceedings in which any of said applications or patents papers, make all rightful oaths, and to do generally everything necessar and nominees to obtain patent protection for said improvements in all applications to be borne and paid by said assignee. I, as assignor, hereby assign to said assignee all of my right, title application Nos. 61/542,488, 61/542,495 and 61/542,553, all filled Provisional Application No. 61/600,271, filed February 17, 2012 and countries of the world including the right to claim priority or bene 61/542,495, 61/642,553, and 61/600,271 pursuant to any law or treaty in	tates of America and all other countries in and all original, divisional, continuation, blied for or granted therefor in the United thout limitation all applications and patents lication pursuant to any law or treaty, and her of Patents and Trademarks is hereby or resulting there from to said assignee for me and my legal representatives, heirs alion, to execute and deliver all original, Patent on said improvements and all to said assignee or its representatives all ar requested, to testify in any interferences is may become involved, to sign all lawfully to aid assignee, its successors, assigns countries, the expenses incident to said and interest in United States Provisional October 3, 2011, and in United States in the inventions disclosed thereto in all fit of said Application Nos. 61/542,488, the countries of the world.
And I do hereby authorize my attorneys to insert on this deed the fill application when known.	ling date and application number of said
" <u> </u>	10 investors A
(Date) State of California //) SS:	(Signature)
County of Sula Vera	
Watana	Salina Diaz, Notary Public
On	e basis of satisfactory evidence to be the wiedged to me that the
I certify under PENALTY OF PERJURY under the laws of the State of true and correct.	California that the foregoing paragraph is
WITNESS my hand and official seal. ///	SALINA DIAZ
	Commission # 1889526 Notary Public - California
(Notary Public)	My Comm. Expires May 16, 2014
x *Total of 4 forms are submitted.	- Wary

ASSIGNMENT OF LITHLITY APPLICATION

Docket Number (Optional)

ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.12-691 A
Whereas, I, Wael Zohni	af
c/o Invensas Corporation; 2702 Orchard Parkway; San Jose, C	
hereafter referred to as assignor, have with others invented certain new STUB MINIMIZATION FOR WIREBOND ASSEMBLIES WI	and useful improvements in
x for which an application for a United States Letters Patent was	s filed on
Application Number	
for which an application for a United States Letters Patent was and	executed by me on,
Whereas, Invensas Corporation	
a corporation of <u>Delaware</u> herein referred to as "assignee" whose mailing	ing address is
2702 Orchard Parkway; San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same;	
	analism tool 3 Ave. N. Alis Super
whereof is acknowledged, and other good and valuable consideration over to said assignee my entire right, title and interest for the United Stand to said invention and the aforesaid utility patent application continuation-in-part, substitute or reissue applications and patents ap States of America and all other countries, for said invention, including we for said invention claiming priority or benefit of the aforesaid utility applications the right to claim such priority or benefit and the Commission authorized and requested to issue all patents on said improvements herein, as assignee of the entire interest therein; and the undersigned and assigns do hereby agree and covenant without further remune divisional, continuation, reissue and other applications for Letters assignments thereof to said assignee or its assigns, to communicate facts known to the undersigned respecting said improvements, whenever or other legal proceedings in which any of said applications or patent papers, make all rightful oaths, and to do generally everything necessary and nominees to obtain patent protection for said improvements in a applications to be borne and paid by said assignee. I, as assignor, hereby assign to said assignee all of my right, title Application Nos. 61/542,488, 61/542,495 and 61/542,553, all filed Provisional Application No. 61/600,271, filed February 17, 2012 and countries of the world including the right to claim priority or benefit/642,495, 61/542,553, and 61/600,271 pursuant to any law or treaty in	States of America and all other countries in and all original, divisional, continuation, uplied for or granted therefor in the United without limitation all applications and patents olication pursuant to any law or treaty, and oner of Patents and Trademarks is hereby is or resulting there from to said assignee for me and my legal representatives, heirs ration, to execute and deliver all original, is Patent on said improvements and all to said assignee or its representatives all ver requested, to testify in any interferences to may become involved, to sign all lawful any to aid assignee, its successors, assigns all countries, the expenses incident to said and interest in United States Provisional of October 3, 2011, and in United States in the inventions disclosed thereto in all efit of said Application Nos. 61/542,488, in the countries of the world.
And I do hereby authorize my attorneys to insert on this deed the I application when known.	filing date and application number of said.
<u>イル/</u> 人 (Date)	<u>/////√</u> (Signature)
State of California //) SS:	(osiditarua)
County of Entra Clare)	
On	that(he/she executed the same in(his/her-
I certify under PENALTY OF PERJURY under the laws of the State of true and correct	f California that the foregoing paragraph is
WITNESS my hand and official seal	SALINA DIAZ Commission # 1889526 Notary Public - California
(Notary Publie)	Santa Clara County My Comm. Expres May 16, 2014
x *Total of 4 forms are submitted.	A R. D. B. St. St. Market

former PTO/S8/15 (8-D0) Modified LDLK&M

ASSIGNMENT OF LITH ITY ADDITION

Docket Number (Optional)

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. I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application Nos. 61/542,488, 61/542,495 and 61/542,553, all filed October 3, 2011, and in United States Provisional Application No. 61/600,271, filed February 17, 2012 and in the inventions disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application Nos. 61/542,488, 61/542,553, and 61/600,271 pursuant to any law or treaty in the countries of the world. And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known. (Date) State of California) SS:	ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.12-691 A	
hereafter referred to as assignor, have with others invented cartain new and useful improvements in STUB MINIMIZATION FOR WIREBOND ASSEMBLIES WITHOUT WINDOWS X for which an application for a United States Letters Patent was filed on Application Application for a United States Letters Patent was executed by me on and whereas, Invensas Corporation of Delaware herein referred to as "assignee" whose mailing address is 2702 Orchard Parloway; San Jose, California 95134			
Application Number 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 2702 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 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 there from 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 inverowments and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all assignments thereof to said assignee or its assigns, to communicate to said assignee, its successors, assigns and norminees to obtain patent protecting said improvements in all countries, the expense incident to said application	hereafter referred to as assignor, have with others invented certain new	and useful improvements in	
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 2702 Orchard Parkway; San Jose, California 95134 is desirous of acquiring the entire right, title and interest in the same; NOW, THEREPORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignon 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 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 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 there from to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns to hereby agree and coverant without further remuneration, to execute and eliver 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, heirs and 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		filed on	
Whereas, Invensas Corporation a corporation of Delaware herein referred to as "assignee" whose mailing address is 2702 Orohard 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 herefor 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 there from 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 lawfut papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent p	for which an application for a United States Letters Patent was e	executed by me on	
2702 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 there from 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, its expressentatives 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			
NOW, THEREFORE, in consideration of the sum of 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 there from 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 lawfut 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. I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application Nos. 61/542,488,		g address is	
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 there from 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 application so be borne and paid by said assignee. I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 51/600.0271, flied February 17, 2012 and in the inventions di	is desirous of acquiring the entire right, fille and interest in the same;		
State of California) SS: County of Santa Clara) On April 2, 2012 , before me, Lulus Rayunta Notary Public personally appeared Belgacem Haba, 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/she 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	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 there from 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		
State of California) SS: County of Santa Clara) On April 2, 2012 , before me, Lulus Regues Notary India personally appeared Belgacem Haba, 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/she 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	application when known,	15/h	
On April 2, 2012, before me, Lulus Regional Notary Public personally appeared Belgacem Haba, 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/she 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	(Dafe)	Sigheture)	
On April 2, 2012, before me, Lulus Kenfunds Notary India, personally appeared Belgacem Haba, 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/she 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	Control of the contro	ja a	
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is		California that the foregoing paragraph is	
WITNESS my hand and official seal			
SANTA CLARA COUNTY O COMM. EXPIRES OCT. 4, 2012			
(Notary Public) X *Total of 4 forms are submitted.		That we have the second	

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