Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2012)	U.S. DEPARTMENT OF COMMERC United States Patent and Trademark Offi	
RECORDATION FORM COVER SHEET		
PATENTS ONLY		
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(lea)	
Richard Dewitt Crisp (01/13/2012), Wael Zohni	Name: Invensas Corporation	
(01/13/2012), Belgacem Haba (01/16/2012), and Frank Lambrecht (01/13/2012)		
Additional name(s) of conveying party(iss) attached? Yes X No	Internal Address:	
3. Nature of conveyance/Execution Date(s):	Street Address:	
Execution Date(s): in parentheses after inventor name	2702 Orchard Parkway	
x Assignment Merger Change of Name	and ordinate arrivay	
Security Agreement Joint Research Agreement	City: San Jose	
Government Interest Assignment	State: California	
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 95134	
Other	Additional name(s) & address(es) Yes X No attached?	
4. Application or patent number(s):	This document is being fitted to extreme the comment of the commen	
A. Patent Application No.(s)	This document is being filed together with a new application. B. Patent No.(s)	
13/354,772	D. Falon 140.(5)	
·		
Additional numbers attached?	Yeş X No	
5. Name and address to whom correspondence concerning document should be mailed:	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.: TIPI 3.12-690 A		
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		
Fax Number: 908-654-7866	Deposit Account Number 12-1095	
Email Address:ataylor@idikm.com	Authorized User Name Joseph H, Karlin	
9. Signature:	Eshania A pare	
Signature	February 2, 2012	
	Total number of pages including cover	
Name of Person Signing	sheet, attachments, and documents.	

Dated: February 2, 2012 Signature: Japh H. Karlin)

7600173

PATENT REEL: 027653 FRAME: 0143

700479482

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

Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION TIPI 3.12-690 A Whereas, I, Richard Dewitt Crisp c/o Invensas Corporation: 2702 Orchard Parkway: San Jose, California, 95134 hereafter referred to as assignor, have with others invented certain new and useful improvements in STUB MINIMIZATION FOR MULTI-DIE WIREBOND ASSEMBLIES WITH ORTHOGONAL WINDOWS for which an application for a United States Letters Patent was filed on Concurrently Application Number x 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 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 dollars (\$ 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 Latters Patent on said improvements and all assignments thereof to said assignes 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. I, as assignor, hereby assign to said assignee all of my right, thie 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 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. 61/542,495, 61/542,553, 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) (Signature) State of California Sarta Clara County of me. Karen A-Pernione, Notary Public January 13, 2012 before personally appeared Richard Dewitt Crisp, 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 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. KAREN A. PERRICONE WITNESS my hand and official seal. . Commission # 1890143 Notary Public - California Santa Clare County My Contox Siplian May 18, 2014 Х "Total of forms are submitted.

	TOTAL FILO (20/10 (0-00) MODING CULK
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TIPI 3.12-690 A
Whereas, I, Wael Zohni	of
c/o Invensas Corporation: 2702 Orchard Parkway; San Jose, C hereafter referred to as assignor, have with others invented certain new STUB MINIMIZATION FOR MULTI-DIE WIREBOND ASSE	and useful Improvements in
WINDOWS for which an application for a United States Letters Patent was	s filed on Concurrently
Application Number x 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 mailir 2702 Orchard Parkway: San Jose, California 95134	ng address is
whereof is acknowledged, and other good and valuable consideration, over to said assignee my entire right, title and interest for the United S and to said invention and the aforesaid utility patent application continuation-in-part, substitute or reissue applications and patents app States of America and all other countries, for said invention, including wifor 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 remuner 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 necessal 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 Octob thereto in all countries of the world including the right to claim pri 61/542,488, 61/542,495, 61/542,553, pursuant to any law or treaty in the	states of America and all other countries in and all original, divisional, continuation, plied for or granted therefor in the United ithout limitation all applications and patents blication pursuant to any law or treaty, and oner of Patents and Trademarks is hereby or resulting there from to said assignee for me and my legal representatives, heirs ation, 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 lawful ry to aid assignee, its successors, assigns I countries, the expenses incident to said and interest in United States Provisional and interest in United States Provisional ter 3, 2011, and in the inventions disclosed ority or benefit of sald Application Nos.
And I do hereby authorize my attorneys to insert on this deed the fill application when known, $//(2^{r})$ 2.	<i>A</i>
(Date) State of California) SS: County of Santa Clora) On January 13, 2012 before me, Karen F	(Signature)
On January 15, 2012. before me, Park F personally appeared Wael Zohni, who proved to me on the basis of sati name is subscribed to the within instrument and acknowledged to me authorized capacity, and that by his/her signature on the instrument the the person acted, executed the instrument.	isfactory evidence to be the person whose that/he/ehe executed the same in/fis/her.
certify under PENALTY OF PERJURY under the laws of the State of true and correct. WITNESS my hand and official seal. (Notary Public)	California that the foregoing paragraph is KAREN A, PERRICONE Gommission # 1890143 Notary Public - Galifornia Banta Clara County (NOTMA Comm.) Expires May 18, 2014
X *Total of 4 forms are submitted.	

	former PTQ/SB/15 (8-00) Modified LDLK&M	
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	TIPI 3.12-690 A	
Whereas, I, Belgacem Haba	of	
c/o Invensas Corporation: 2702 Orchard Parkway; San Jose, California 95134		
hereafter referred to as assignor, have with others invented certain new and useful improvements in STUB MINIMIZATION FOR MULTI-DIE WIREBOND ASSEMBLIES WITH ORTHOGONAL WINDOWS		
for which an application for a United States Letters Patent was Application Number	s filed on Concurrently	
x for which an application for a United States Letters Patent was a and	executed by me on	
Whereas, Invensas Corporation		
a corporation of <u>Delaware</u> 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, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesald 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 fasts 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 all of my right, title and interest in United States Provisional Application Nos. 61/542,488, 51/542,495 and		
And I do hereby authorize my attorneys to insert on this deed the financiation when known. 1/16 / 2012—	121	
(Date)	(Signatural M	
State of California) ss:	Be grunder of	
on Jan. 16. 2012 before me Karen A	A. Perricone, Notary Public	
personally appeared <u>Belgacem Haba</u> , 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 which the person acted, executed the instrument.		
certify under PENALTY OF PERJURY under the laws of the State of the State of the and correct.	KAREN A. PERRICONE	
VITNESS my hand and official seal: Luren atturned	Gommission # 1890143 Notary Public - California Senta Clara County	
(Notary Public) My Comm. Expires May 18, 2014		
x "Total of 4 forms are submitted.		

RECORDED: 02/02/2012

ACCIONING A CONTRACTOR AND A CONTRACTOR	Dockel Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TIPI 3.12-690 A
Whereas, I. Frank Lambrecht c/o Invensas Corporation: 2702 Orchard Parkway: San Jose, C.	alifornia 95134 of
hereafter referred to as assignor, have with others invented certain new STUB MINIMIZATION FOR MULTI-DIE WIREBOND ASSEMMINDOWS	and useful improvements in
for which an application for a United States Letters Patent was Application Number	filed on Concurrently
x for which an application for a United States Letters Patent was ex	xecuted by me on ,
Whereas, Invensas Corporation	
a corporation of <u>Delaware</u> herein referred to as "assignee" whose mailing 2702 Orchard Parkway; San Jose, California 95134	g address is
is desirous of acquiring the entire right, title and interest in the same; NOW, THEREFORE, in consideration of the sum of one di	
over to sald 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 wit for said invention claiming priority or benefit of the aforesaid utility appli including 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 for and assigns do hereby agree and covenant without further remuneral divisional, continuation, reissue and other applications for Letters assignments thereof to said assignee or its assigns, to communicate to 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 necessary 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 at Application Nos. 61/542,488, 61/542,495, and 61/542,553, all filed Octobe thereto in all countries of the world including the right to claim priof 61/542,488, 61/542,495, 61/542,553, pursuant to any law or treaty in the countries.	and all original, divisional, continuation, blied for or granted therefor in the United thout limitation all applications and patents ication 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 ation, to execute and deliver all original, Patent on said improvements and all osaid assignee or its representatives all or requested, to testify in any interferences are 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 at 3, 2011, and in the inventions disclosed only or benefit of said Application Mos
And I do hereby authorize my attorneys to insert on this deed the filing	ng date and application number of said
application when known	
(Date) State of California	(Signature)
County of Santa Clara) ss:	
On James 13, 2012 before me, Kolen A personally appeared Frank Lambrecht, who proved to me on the basis whose name is subscribed to the within instrument and acknowledged this/her authorized capacity, and that by his/her signature on the instrument which the person acted, executed the instrument.	in me that he/she ever itad the come in
certify under PENALTY OF PERJURY under the laws of the State of Cirue and correct.	California that the foregoing paragraph is
NITNESS my hand and official seal.	KARÉN A. PERRICONE Commission # 1890143 Notary Public - California
(Notary Public)	Santa Clare County (NA) COMMITTENDERS May 18, 2014
x Total of 4 forms are submitted.	