503187051 02/19/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3233668

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
BONG-SUB LEE				02/13/2015	
CYPRIAN EMEKA UZOI	-			02/12/2015	
CHARLES G. WOYCHIK	<			02/12/2015	
IANG WANG				02/12/2015	
AURA WILLS MIRKAR	IMI			02/19/2015	
RKALGUD R. SITARA	М				
ECEIVING PARTY DA	ТА				
lame:		ISAS CORPORATION			
Street Address:	3025 C	3025 ORCHARD PARKWAY			
City:		SAN JOSE			
State/Country:	CALIFORNIA				
Postal Code:	95134				
PROPERTY NUMBERS					
ROPERTY NUMBERS Property Type		Number			
PROPERTY NUMBERS Property Type					
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if j</i>	Total: 1 PATA e sent to	Number			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will busing a fax number, if p</i>	Total: 1 PATA e sent to	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will bousing a fax number, if p Phone: Email: Correspondent Name:	Total: 1 PATA e sent to	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will build using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	Total: 1 PATA e sent to	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION 3025 ORCHARD PARKWAY			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	Total: 1 PATA e sent to	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION 3025 ORCHARD PARKWAY ATTN: PATENT DEPT.			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	Total: 1 PATA e sent to	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION 3025 ORCHARD PARKWAY			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	Total: 1	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION 3025 ORCHARD PARKWAY ATTN: PATENT DEPT. SAN JOSE, CALIFORNIA 95134			
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	Total: 1	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION 3025 ORCHARD PARKWAY ATTN: PATENT DEPT. SAN JOSE, CALIFORNIA 95134	e sent via U		
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	Total: 1	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will b 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION 3025 ORCHARD PARKWAY ATTN: PATENT DEPT. SAN JOSE, CALIFORNIA 95134 IN001-0136-US-01	e sent via U		
PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 1: Address Line 2: Address Line 2: Address Line 2: Address Line 2: Address Line 3:	Total: 1	Number 14602984 o the e-mail address first; if that i d; if that is unsuccessful, it will be 408-321-6060 kperricone@tessera.com INVENSAS CORPORATION 3025 ORCHARD PARKWAY ATTN: PATENT DEPT. SAN JOSE, CALIFORNIA 95134 IN001-0136-US-01 CHRISTOPHER W. LATTIN	e sent via U		

Total Attachments: 7
source=IN001-0136-US-01_Assignment-Declaration-signed_2015-02-19#page1.tif
source=IN001-0136-US-01_Assignment-Declaration-signed_2015-02-19#page2.tif
source=IN001-0136-US-01_Assignment-Declaration-signed_2015-02-19#page3.tif
source=IN001-0136-US-01_Assignment-Declaration-signed_2015-02-19#page4.tif
source=IN001-0136-US-01_Assignment-Declaration-signed_2015-02-19#page5.tif
source=IN001-0136-US-01_Assignment-Declaration-signed_2015-02-19#page6.tif
source=IN001-0136-US-01_Assignment-Declaration-signed_2015-02-19#page7.tif

COMBINED DECLARATION UNDER 37 CFR 1.63 AND ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, an ASSIGNOR named below,

Bong-Sub LEE of Mountain View, California, US Cyprian Emeka UZOH of San Jose, California, US Charles G. WOYCHIK of San Jose, California, US Liang WANG of Milpitas, California, US Laura Wills MIRKARIMI of Sunol, California, US Arkalgud R. SITARAM of Cupertino, California, US

hereby sell, assign and transfer to

ASSIGNEE: INVENSAS CORPORATION, a Delaware corporation having a place of business at 3025 Orchard Parkway, San Jose, CA 95134,

its successors, assigns and legal representatives, my entire right, title and interest throughout the world, including all rights to claim priority, in and to the invention(s) disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,
- U.S. Patent Application executed on _____, or
- U.S. Patent Application No.: <u>14/602,984</u>, filed on January 22, 2015
- International Application No.: <u>PCT/_____</u>, filed on ______

ENTITLED: INTERPOSERS AND FABRICATION METHODS THAT USE NANOPARTICLE INKS AND MAGNETIC FIELDS

and naming as

INVENTOR(S): Bong-Sub LEE, Cyprian Emeka UZOH, Charles G. WOYCHIK, Liang WANG, Laura Wills MIRKARIMI, and Arkalgud R. SITARAM

including without limitation, my entire right, title and interest in and to any and all United States and foreign applications (including any and all provisional, international, regional and foreign national applications) for said invention(s), including non-provisionals, divisions, continuations, continuations-in-part, renewals, substitutes and extensions thereof, and in and to any and all patents of every country or region that may be granted or have been granted for said invention(s), including any reissues and reexaminations thereof.

OATH/DECLARATION

This Assignment may also serve as an oath or declaration in accord with 37 C.F.R. § 1.63(e) and, as such, as an inventor executing below, I do hereby state that I believe I am the original inventor or an original joint inventor of an invention claimed in any above-identified U.S. Patent Application or International Application designating the United States and do hereby state that such application is and was made or authorized to be made by me. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Attorney Docket No.: IN001-0136-US-01

PATENT REEL: 034989 FRAME: 0484

Page 1 of 7

ASSIGNMENT - STATEMENT

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all U.S. and foreign applications (including international, regional, and foreign national applications), and generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees, at their request and reasonable expense, in obtaining and enforcing patents for said invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or will be made or entered into that would conflict with this Assignment.

I authorize and request the Commissioner of Patents and Trademarks to issue any U.S. Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or assigns.

executed on $\frac{2/11/2015}{2015}$ by	Bong-Sub Lee
Notary Us	se Below
ACKNOWLI	EDGMENT
tate of <u>California</u>) County of <u>Santa Clara</u>)	
n <u>[6], 13, 2015</u> , befor <u>e me, J</u> (Date)	(hniter Kostic, Notary Public, (Printed Name of Notary)
	-Sub Lee,
ho proved to me on the basis of satisfactory e /are subscribed to the within instrument and a xecuted the same in his/her/their authorized ca	acknowledged to me that he/she/they
certify under PENALTY OF PERJURY unde	r the laws of the State of California that
JENNIFER KOSTIC Commission # 1934890 Notary Public - California Santa Clara County	WITNESS my hand and official scal.

s

A notary public or other officer completing this individual who signed the document to which this caccuracy, or validity of that document.	certificate verifies only the identity of the certificate is attached, and not the truthfulness,
Executed on 2~12 ~ 2015 by	Cyprian Emeka Uzób
Notary Use	Below
ACKNOWLEI	DGMENT
State of <u>California</u>) County of <u>Santa Clara</u>)	
On <u>Feb. 12, 2015</u> , befor <u>e me. Kare</u> (Date)	NOTALA <u>NA Pervicon</u> , Notary Public, (Printed Name of Notary)
personally appeared <u>Cypria</u> (Printed Nam	n Emcka Uzoh,
(Printed Name who proved to me on the basis of satisfactory ev (S)arse-subscribed to the within instrument and act executed the same in (i) best/their authorized cap signature(s) on the instrument the person(s); or the acted, executed the instrument.	idence to be the person(s) whose name(s) knowledged to me that he/ske/they pacity(ies), and that by his/her/their
I certify under PENALTY OF PERJURY under the foregoing paragraph is true and correct.	the laws of the State of California that
KAREN A. PERRICONE Commission # 2065518 Notary Public - California Santa Clara County My Comm. Expires May 18, 2018	WITNESS my hand and official seal. <u><u><u></u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u>

Attorney Docket No.: IN001-0136-US-01

20

÷

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.			
Executed on <u>2-/2-2015</u> by <u>Unadas 4. Trajents</u> Charles G. Woychik			
Notary Use Below			
ACKNOWLEDGMENT			
State of <u>California</u>) County of <u>Santa Clara</u>)			
On <u>February 12</u> 2015, before me, <u>Jehn Her Kastic</u> , Notary Public, (Date) (Printed Name of Notary)			
personally appeared,			
(Printed Name of Inventor) who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.			
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. JENNIFER KOSTIC Commission # 1934890 Notary Public - California Santa Clara County My Comm. Expires Jun 1, 2015			
Signature of Notary			

Attorney Docket No.: 1N001-0136-US-01

7

5

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.					
Executed on 02/12/2015 by					
Notary Use Below					
ACKNOWLEDGMENT					
State of <u>California</u>) County of <u>Santa Clara</u>)					
On <u>Feb 12,2015</u> , before me, KARA B. Printed Name of Notary), Notary Public, (Date) (Printed Name of Notary)					
personally appeared Liang Wang					
(Printed Name of Inventor) who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (i) are subscribed to the within instrument and acknowledged to me that in shektey executed the same in (his her/their authorized capacity(ies); and that by (ii) her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.					
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.					
KAREN A. PERRICONE Commission # 2065519 Notary Public - California Santa Clara County My Comm. Expires May 18, 2018 Signature of Notary					

Attorney Docket No.: IN001-0136-US-01

A notary public or other officer completing this c individual who signed the document to which this cer accuracy, or validity of that document.	
Executed on <u>2/19/2015</u> by	<u>Le Dulle Halpes</u> aura Wills Mirkarimi
Notary Use B	Pelow
ACKNOWLED	GMENT
State of <u>California</u>) County of <u>Santa Clara</u>)	
On <u>Feb. 19, 2015</u> , befor <u>e me, KA/E/1</u> (Daie)	Printed Name of Notary)
personally appeared	/ills Mirkarimi
(Printed Name of who proved to me on the basis of satisfactory eviders) are subscribed to the within instrument and acknet executed the same in-his her their authorized capacity signature(s) on the instrument the person(s), or the acted, executed the instrument.	ence to be the person(s) whose name(s) iowledged to me that he/sheahey city(ies), and that by-his(her)their
I certify under PENALTY OF PERJURY under the foregoing paragraph is true and correct.	e laws of the State of California that
KAREN A. PERRICONE Commission # 2065518 Notsry Public - California Santa Clara County My Comm. Expires May 18, 2018	WITNESS my hand and official seal. <u>YuurPerriewe</u> Signature of Notary

Attorney Docket No.: IN001-0136-US-01

.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.				
Executed on $\frac{7}{12, 2015}$ by $\underline{TI, k, w}$ Arkalgud R. Sitaram				
Notary Use Below				
ACKNOWLEDGMENT				
State of <u>California</u>) County of <u>Santa Clara</u>)				
On <u>Feb. 12, 2015</u> , befor <u>e me, Jennifer Koshit</u> , Notary Public, (Dale) (Printed Name of Notary)				
personally appeared <u>Arkalgud R. Sitaram</u> .				
(Printed Name of Inventor) who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.				
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.				
JENNIFER KOSTIC Commission # 1934890 Notary Public - California Santa Clara County My Comm. Expires Jun 1, 2015				

Page 7 of 7

Attorney Docket No.: IN001-0136-US-01

PATENT REEL: 034989 FRAME: 0490

RECORDED: 02/19/2015