PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3218780

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| ZHUOWEN SUN | 01/23/2015 |
| YONG CHEN | 01/23/2015 |
| KYONG-MO BANG | 02/09/2015 |

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: | 14609878 |

CORRESPONDENCE DATA

Fax Number:

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: 408-321-6060

Email: kperricone@tessera.com
Correspondent Name: INVENSAS CORPORATION
Address Line 1: 3025 ORCHARD PARKWAY

Address Line 2: ATTN: PATENT DEPT.

Address Line 4: SAN JOSE, CALIFORNIA 95134

| ATTORNEY DOCKET NUMBER: | IN001-0132-US-02 |
|--|--|
| NAME OF SUBMITTER: CHRISTOPHER W. LATTIN | |
| SIGNATURE: | /Christopher W. Lattin/ |
| DATE SIGNED: | 02/09/2015 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 4

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PATENT 503172165 REEL: 034923 FRAME: 0115

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PATENT REEL: 034923 FRAME: 0116

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,

Zhuowen SUN of Campbell, California, US Yong CHEN of Palo Alto, California, US Kyong-Mo BANG of Fremont, California, US

hereby sell, assign and transfer to

INVENTOR(S):

| ASS | IGNE | E: INVENSAS CORPORATION business at 3025 Orchard Parky | , a Delaware corporation having a place of vay, San Jose, CA 95134, |
|-------------|-------|---|--|
| | | , assigns and legal representatives, my luding all rights to claim priority, in ar | entire right, title and interest throughout nd to the invention(s) disclosed in: |
| \boxtimes | U.S | S. Patent Application executed on o | r about the date of this Assignment, |
| | U.S | S. Patent Application executed on _ | , or |
| | | S. Patent Application No.: | |
| | | ernational Application No.: PCT/ | |
| ENTITLI | | CONTACT ARRANGEMENTS | |
| and nam | ing a | S | |

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.

Zhuowen SUN, Yong CHEN, and Kyong-Mo BANG

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.

Page 1 of 4 Attorney Docket No.: IN001-0132-US-02

PATENT REEL: 034923 FRAME: 0117 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.

| 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 91/23/2015 by 300 by Zhangar | | |
| Notary Use Below | | |
| ACKNOWLEDGMENT | | |
| State of California) County of Santa Clara) | | |
| On Jan. 23, 2015, before me, Jenn fer Kaste, Notary Public, (Printed Name of Notary) | | |
| personally appeared Zhuowen Sun , | | |
| (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 | | |

Page 2 of 4

Attorney Docket No.: IN001-0132-US-02

| 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. |
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| Executed on0 / z _ j / z = 0 / j |
| Notary Use Below |
| ACKNOWLEDGMENT |
| State of <u>California</u>) County of <u>Santa Clara</u>) |
| On <u>Jan. 23 2015</u> , before me, <u>Jenhiter Kostic</u> , Notary Public, (Printed Name of Notary) |
| personally appeared Yong Chen (Printed Name of Inventor) who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) |
| 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 WITNESS my band and official seal. Signature of Notary |
| y |

| *************************************** | | |
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| 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. | | |
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| | * * | |
| Notary | Use Below | |
| ACKNOW | LEDGMENT | |
| State of California) | | |
| County of Santa Clara) | | |
| • | | |
| On <u>Eh 9, 2015</u> , befor <u>e me, K</u> | ACEA A PENTEONE, Notary Public, (Printed Name of Notary) | |
| | ong-Mo Bang | |
| | Name of Inventor) | |
| who proved to me on the basis of satisfactor as satisfactor as subscribed to the within instrument an | y evidence to be the person(s) whose name(s) | |
| executed the same in his has their authorized | Leanacity lies and that hybiches their | |
| | 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 | WITNESS my hand and official seal. | |
| Commission # 2065518 Substitution California E | (A/ /) « | |
| Santa Clara County | Your/Borier | |
| My Comm. Expires May 18, 2018 \$ | Signature of Notary | |
| | ~ | |

Attorney Docket No.: IN001-0132-US-02