503142803 01/20/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3189415

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| ILYAS MOHAMMED | 05/10/2012 |
| MASUD BEROZ | 06/11/2012 |

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: | 14600595 |

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: 4083216060

Email:kperricone@tessera.comCorrespondent Name:INVENSAS CORPORATIONAddress Line 1:3025 ORCHARD PARKWAY

Address Line 2: ATTN: PATENT DEPT.

Address Line 4: SAN JOSE, CALIFORNIA 95134

| ATTORNEY DOCKET NUMBER: | IN001-0025-US-02 |
|-------------------------|-------------------------|
| NAME OF SUBMITTER: | CHRISTOPHER W. LATTIN |
| SIGNATURE: | /Christopher W. Lattin/ |
| DATE SIGNED: | 01/20/2015 |

Total Attachments: 3

source=TSRA_02011_317_Assignment_parent_NOR#page1.tif source=TSRA_02011_317_Assignment_parent_NOR#page2.tif source=TSRA_02011_317_Assignment_parent_NOR#page3.tif

PATENT 503142803 REEL: 034759 FRAME: 0529

Attorney Docket No.: TSRA-02011-317

Assignment to Invensas Corporation

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we IIyas Mohammed and Masud Beroz

do hereby sell, assign, and transfer unto Invensas Corporation (hereinafter called Invensas), a Delaware Corporation having its principal place of business at 2702 Orchard Parkway, San Jose, CA 95134, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

HEAT SPREADING SUBSTRATE WITH EMBEDDED INTERCONNECTS

| | filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the |
|--|--|
| | United States and of countries foreign thereto which may be granted thereon or therefor; or |

X Serial No.: 13/399,941 filed on 2/17/2012 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Invensas, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Invensas, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Invensas.

I/we further covenant with Invensas, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Myas Mohammed

| NOTARY SEC | TION |
|--|--|
| State of California County of Santa Clara On | same in his/her authorized capacity, and that by |
| I certify under PENALTY OF PERJURY under the laws of the sparagraph is true and correct. | |
| WITNESS my hand and official seal. | SALINA OBAZ Commission # 1889526 Notary Public - California Santa Clara County My Comm. Expires May 16, 2014 |
| Signature Signature of Notary Public | (Seal) |

Masud Beroz

| NOTARY | SECTION |
|--|---|
| State of North Carolina | |
| State of North (avolina County of Wake | |
| On 11 June 2012 before me, (ins | Tomic Surectionic sert name and title of the officer) |
| personally appeared Mc5vib who proved to me on the basis of satisfactory evidence to instrument and acknowledged to me that he/she executed his/her signature on the instrument the person, or the entit instrument. | the same in his/her authorized capacity, and that by |
| I certify under PENALTY OF PERJURY under the laws of paragraph is true and correct. | annununununun santa s |
| WITNESS my hand and official seal. | NOTARY OF |
| Signature Signature of Notary Public (Seal) | COMMISSION EXPIRES OMMISSION EXPIRES 10/19/2016 OUBLIC COUNTY MARCHANTINIAN COUNTY MARCHANTINIAN COUNTY MARCHANTINIAN MARCHANTINIAN |