

Form PTO-1595 (Rev. 03-11)
OMB No. 0851-0027 (exp. 03/31/2015)

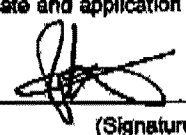


U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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.

1. Name of conveying party(ies): Rajesh Katkar (04/03/2013), Cyprian Emeka Uzoh (04/03/2013), Belgacem Haba (04/03/2013), and Ilyas Mohammed (04/03/2013) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Invensas Corporation</u> Internal Address: _____ Street Address: _____ 2702 Orchard Parkway City: <u>San Jose</u> State: <u>California</u> Country: <u>United States of America</u> Zip: <u>95134</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>13/797,355</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Richard M. Russo</u> <u>LERNER, DAVID, LITTENBERG,</u> <u>KRUMHOLZ & MENTLIK, LLP</u> Internal Address: Atty. Dkt.: _____ Street Address: <u>600 South Avenue West</u> City: <u>Westfield</u> State: <u>NJ</u> Zip: <u>07090</u> Phone Number: <u>908-654-5000</u> Fax Number: <u>908-654-7866</u> Email Address: <u>ataylor@idikm.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information Deposit Account Number <u>12-1095</u> Authorized User Name <u>Richard M. Russo</u>
9. Signature: <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> Signature <u>Richard M. Russo - 67,750</u> Name of Person Signing </div> <div style="text-align: center;"> <u>May 17, 2013</u> Date </div> </div> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 10px;"> Total number of pages including cover sheet, attachments, and documents: 5 </div>	

CH \$40.00 121095 13797355

ASSIGNMENT OF UTILITY APPLICATION		Docket Number (Optional) TIP1 3.0-888		
<p>Whereas, I, <u>Rajesh Katkar</u> of <u>2702 Orchard Parkway, San Jose, California 95134</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>POROUS ALUMINA TEMPLATES FOR ELECTRONIC PACKAGES</u> <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>March 12, 2013</u> Application Number <u>13/797,365</u> <input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ and _____</p> <p>Whereas, <u>InvenSense Corporation</u> a corporation of <u>Delaware</u> herein referred to as "assignee" whose mailing address is <u>2702 Orchard Parkway, San Jose, California 95134</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollar (\$ <u>1.00</u>), 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 therefrom 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 applications to be borne and paid by said assignee.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"><div style="text-align: center;"><u>4/3/13</u> (Date)</div><div style="text-align: center;"> (Signature)</div></div> <p>State of California) SS: County of <u>Santa Clara</u>)</p> <p>On <u>April 3, 2013</u> before me, <u>Karen A. Perricone, Notary Public</u>, personally appeared <u>Rajesh Katkar</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.</p> <p>I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"><div style="width: 45%;"><p>WITNESS my hand and official seal. ~  (Notary Public)</p></div><div style="width: 50%; text-align: center;"><div style="border: 2px solid black; padding: 10px; display: inline-block;"><div style="margin-left: 10px;">KAREN A. PERRICONE Commission # 1890143 Notary Public - California Santa Clara County (NOTARY SEAL) Expires May 18, 2014</div></div></div></div> <div style="margin-top: 10px;"><table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 5%; text-align: center;"><input checked="" type="checkbox"/></td><td style="padding: 2px;">Total of <u>4</u> forms are submitted.</td></tr></table></div>			<input checked="" type="checkbox"/>	Total of <u>4</u> forms are submitted.
<input checked="" type="checkbox"/>	Total of <u>4</u> forms are submitted.			

Former PTO/BB/15 (3-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TIPI 3.0-888
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Whereas, I, Cyprian Emeka Uzoh of
2702 Orchard Parkway, San Jose, California 95134
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
POROUS ALUMINA TEMPLATES FOR ELECTRONIC PACKAGES

☒ for which an application for a United States Letters Patent was filed on March 12, 2013
 Application Number 13/797,355

☐ for which an application for a United States Letters Patent was executed by me on _____
 and _____

Whereas, Invenzas 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 dollar (\$ 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 therefrom 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 applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

4/3/2013 (Date) Cyprian Uzoh (Signature)


State of California) SS:
 County of Santa Clara)

On April 3, 2013 before me, Karen A. Perricone, Notary Public personally appeared Cyprian Emeka Uzoh, 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.

WITNESS my hand and official seal.

Karen A. Perricone
 (Notary Public)


 KAREN A. PERRICONE
 Commission # 1890143
 Notary Public - California
 Santa Clara County
 My Comm. Expires May 18, 2014

☒ *Total of 4 forms are submitted.

LD-527A

former PTO/SB/16 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TIP1 3.0-868
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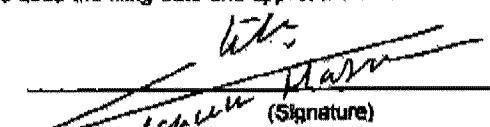
Whereas, I, Belgacem Haba of
2702 Orchard Parkway, San Jose, California 95134
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
POROUS ALUMINA TEMPLATES FOR ELECTRONIC PACKAGES
☒ for which an application for a United States Letters Patent was filed on March 12, 2013
 Application Number 13/797,355
☐ for which an application for a United States Letters Patent was executed by me on _____
 and _____

Whereas, Invensee 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 dollar (\$ 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 therefrom 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 applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application
 when known.

4/3/2013
 (Date)

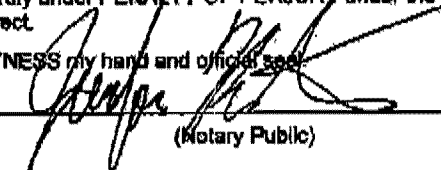

 (Signature)


State of California) SS: _____
 County of Santa Clara)

On April 3, 2013 before me, Jennifer Kestic, 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 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.

WITNESS my hand and official seal:


 (Notary Public)



JENNIFER KESTIC
 Commission # 1934890
 Notary Public - California
 Santa Clara County
 My Comm. Expires Jun 1, 2015

☒ *Total of 4 forms are submitted.

LD-527A

ASSIGNMENT OF UTILITY APPLICATION	<small>(former PTO/SB/15 (8-02) Modified LDLKM)</small> Docket Number (Optional) TIP 3.0-868
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Whereas, I, Ilyas Mohammed of
2702 Orchard Parkway, San Jose, California 95134
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
POROUS ALUMINA TEMPLATES FOR ELECTRONIC PACKAGES
☒ for which an application for a United States Letters Patent was filed on March 12, 2013
 Application Number 13/797,355
☐ for which an application for a United States Letters Patent was executed by me on _____
 and _____

Whereas, Inveness 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 dollar (\$ 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 therefrom 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 applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

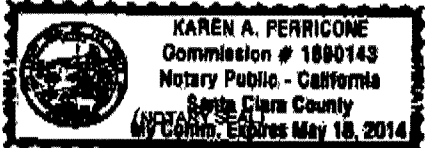
4/3/2013 (Date) [Signature] (Signature)

State of California) SS:
 County of Santa Clara)

On April 3, 2013, before me, Karen A. Perricone, Notary Public personally appeared Ilyas Mohammed, 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.

WITNESS my hand and official seal.
Karen A. Perricone
 (Notary Public)



☒ *Total of 4 forms are submitted.

LD-527A