

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4739356

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VAGE OGANESIAN	11/02/2010
BELGACEM HABA	11/02/2010
ILYAS MOHAMMED	11/02/2010
CRAIG MITCHELL	11/02/2010
PIYUSH SAVALIA	11/02/2010
RECEIVING PARTY DATA	
Name:	TESSERA RESEARCH LLC
Street Address:	3025 ORCHARD PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15842080
CORRESPONDENCE DATA	
Fax Number:	(908)654-0415
<i>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.</i>	
Phone:	(908) 518-6356
Email:	assignment@lernerdavid.com
Correspondent Name:	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
Address Line 1:	600 SOUTH AVENUE WEST
Address Line 4:	WESTFIELD, NEW JERSEY 07090
ATTORNEY DOCKET NUMBER:	TESSERA 3.0-618 DIV CON C
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	12/18/2017
Total Attachments: 5	
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ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESSERA 3.0-618
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Whereas, I, Vage Oganessian of
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, California 95134
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
STAGED VIA FORMATION FROM BOTH SIDES OF CHIP
☒ for which an application for a United States Letters Patent was filed on September 17, 2010
 Application Number 12/884,649
☐ for which an application for a United States Letters Patent was executed by me on _____
 and _____

Whereas, Tessera Research LLC
 a Limited Liability Company of Delaware herein referred to as "assignee" whose mailing address is
3025 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 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.

11/02/2010 (Date) [Signature] (Signature)


State of California) SS:
 County of Santa Clara)

On NOV 2, 2010 before me, Salina Diaz, Notary Public personally
 appeared Vage Oganessian, 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 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:

[Signature]
 (Notary Public)



SALINA DIAZ
 Commission # 1889528
 Notary Public - California
 Santa Clara County
 My Comm. Expires May 18, 2014

☒ *Total of 5 forms are submitted.

FD-527

Assignments TESSERA 3.0-618(2).doc

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESSERA 3.0-618
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Whereas, I, Belgacem Haba of
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, California 95134
hereafter referred to as assignor, have with others invented certain new and useful improvements in
STAGED VIA FORMATION FROM BOTH SIDES OF CHIP
☒ for which an application for a United States Letters Patent was filed on September 17, 2010
Application Number 12/884,649
☐ for which an application for a United States Letters Patent was executed by me on _____
and _____

Whereas, Tessera Research LLC
a Limited Liability Company of Delaware herein referred to as "assignee" whose mailing address is
3025 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 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.

11-02-2010
(Date)


Belgacem Haba
(Signature)

State of California) SS:
County of San Jose)

On Nov 2, 2010 before me, Salina Diaz, 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 executed the same in his authorized
capacity, and that by his 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:
Salina Diaz
(Notary Public)



SALINA DIAZ
Commission # 1889526
Notary Public - California
Santa Clara County
My Comm. Expires May 16, 2014

<input checked="" type="checkbox"/>	*Total of <u>5</u> forms are submitted.
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LD-527V

Assignments TESSERA 3.0-618 (2).doc

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

TESSERA 3.0-618

Whereas, I, Ilyas Mohammed of
c/o Tessera Research LLC; 3025 Orchard Parkway; San Jose, California 95134

hereafter referred to as assignor, have with others invented certain new and useful improvements in

STAGED VIA FORMATION FROM BOTH SIDES OF CHIP

☒ for which an application for a United States Letters Patent was filed on September 17, 2010
 Application Number 12/884,649

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

Whereas, Tessera Research LLC

a Limited Liability Company of Delaware herein referred to as "assignee" whose mailing address is
3025 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 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.

11/2/2010
 (Date)

(Signature)

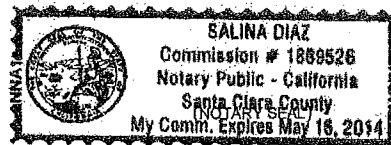
State of California) SS:
 County of Santa Clara)

On Nov 2, 2010 before me, Salina Diaz, 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.

Salina Diaz
 (Notary Public)



☒ *Total of 5 forms are submitted.

LD-527A

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESSERA 3.0-618
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Whereas, I, Craig Mitchell of
c/o Tessera Research LLC; 3025 Orchard Parkway; San Jose, California 95134
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
STAGED VIA FORMATION FROM BOTH SIDES OF CHIP
☒ for which an application for a United States Letters Patent was filed on September 17, 2010
 Application Number 12/884,649
☐ for which an application for a United States Letters Patent was executed by me on _____
 and _____

Whereas, Tessera Research LLC
 a Limited Liability Company of Delaware herein referred to as "assignee" whose mailing address is
3025 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 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.

11/2/10 (Date) Craig Mitchell (Signature)

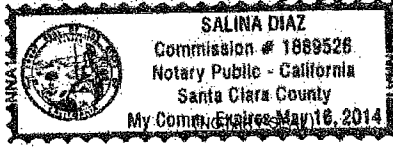
State of California) SS:
 County of Santa Clara)

On Nov 2, 2010 before me, Salina Diaz, Notary Public personally appeared Craig Mitchell, 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.

Salina Diaz
 (Notary Public)



<input checked="" type="checkbox"/>	*Total of <u>5</u> forms are submitted.
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ED-5271

Assignments TESSERA 3.0-618 (2).doc

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESSERA 3.0-618
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Whereas, I, Piyush Savalia of
c/o Tessera Research LLC; 3025 Orchard Parkway; San Jose, California 95134
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
STAGED VIA FORMATION FROM BOTH SIDES OF CHIP
☒ for which an application for a United States Letters Patent was filed on September 17, 2010
 Application Number 12/884,649
☐ for which an application for a United States Letters Patent was executed by me on _____
 and _____

Whereas, Tessera Research LLC
 a Limited Liability Company of Delaware herein referred to as "assignee" whose mailing address is
3025 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 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.

11/02/2010 (Date) [Signature] (Signature)


State of California) SS:
 County of Santa Clara)

On NOV 2, 2010 before me, Salina Diaz, Notary Public personally appeared Piyush Savalia, 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.

[Signature]
 (Notary Public)



SALINA DIAZ
 Commission # 1889526
 Notary Public - California
 Santa Clara County
 My Comm. Expires May 10, 2014

<input checked="" type="checkbox"/>	*Total of <u>5</u> forms are submitted.
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LD-527

Assignments TESSERA 3.0-618 (2).doc