PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2840028

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VAGE OGANESIAN	07/23/2010
BELGACEM HABA	07/23/2010
CRAIG MITCHELL	08/27/2010
ILYAS MOHAMMED	07/23/2010
PIYUSH SAVALIA	07/23/2010

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:	13618514

CORRESPONDENCE DATA

Fax Number: (908)654-0415

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: (908) 518-6356

Email: Assignment@ldlkm.com

Correspondent Name: LDLK&M

Address Line 1: 600 SOUTH AVENUE WEST

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	TESSERA 3.0-616 DIV
NAME OF SUBMITTER:	JOSEPH H. KARLIN
SIGNATURE:	/Joseph H. Karlin/
DATE SIGNED:	05/02/2014

Total Attachments: 5

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former PTC/SB/15 (8-00) Modified LDLK&M

ACCIONISTRUT OF UTILITY ADDITIONS	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-616
Whereas, I, Vage Oganesian	of
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, Cali	
hereafter referred to as assignor, have with others invented certain new and useful improvements in	
MICROELECTRONIC ELEMENTS WITH POST-ASSEMBLY PLANARIZATION	
for which an application for a United States Letters Pate	ent was filed on
Application Number	190-4000000 mendeuda unterhalmate de la del Artificia del Artificia de la del Artificia del Artificia de la del Artificia del Artificia de la del Artificia de la del Artificia de la del Artificia del Artificia de la del Artificia del Ar
for which an application for a United States Letters Pater and	nt was executed by me on,
Whereas, Tessera Research LLC	
a Limited Liability Company of <u>Delaware</u> herein referred to as "a 3025 Orchard Parkway; San Jose, California 95134	assignee" whose mailing address is
is desirous of acquiring the entire right, title and interest in the sa	ame;
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Sta invention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or grother countries, for said invention, including without limitation priority or benefit of the aforesaid utility application pursuant to priority or benefit and the Commissioner of Patents and Trade patents on said improvements or resulting therefrom to said assand the undersigned for me and my legal representatives, heifurther remuneration, to execute and deliver all original, divisibleters Patent on said improvements and all assignments thereo assignee or its representatives all facts known to the undersign to testify in any interferences or other legal proceedings in winvolved, to sign all lawful papers, make all rightful oaths, and to successors, assigns and nominees to obtain patent protection incident to said applications to be borne and paid by said assigns.	ites of America and all other countries in and to said original, divisional, continuation, continuation-in-part, ranted therefor in the United States of America and all all applications and patents for said invention claiming any law or treaty, and including the right to claim such amarks is hereby authorized and requested to issue all signee herein, as assignee of the entire interest therein; as and assigns do hereby agree and covenant without sional, continuation, reissue and other applications for if to said assignee or its assigns, to communicate to said ed respecting said improvements, whenever requested, thich any of said applications or patents may become a do generally everything necessary to aid assignee, its for said improvements in all countries, the expenses
And I do hereby authorize my attorneys to insert on this deed the when known.	ne filing date and application number of said application
(Date) State of California) SS:	SHIEEGP
(Date)	(Signature)
County of Santa Class)	
On 5 23,2010 before me, Sain appeared Vage Oganesian, who proved to me on the basis of subscribed to the within instrument and acknowledged to me capacity, and that by his her signature on the instrument the persecuted the instrument.	f satisfactory evidence to be the person whose name is that he had executed the same in his her authorized
I certify under PENALTY OF PERJURY under the laws of the Stacorrect.	ate of California that the foregoing paragraph is true and
WITNESS my hand and official seal (Notary Public)	SALINA DIAZ Commission # 1889526 Notary Public - California Santa Clare Sounty My Comm. Expires May 16, 2014
x *Total of 5 forms are submitted.	

Assignments TESSERA 3 0-616

former PTO/SB/15 (8-00) Modified LDLK&M

ACCIONIMENT OF REPUBLIC ADDITION	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-616
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	
MICROELECTRONIC ELEMENTS WITH POST-ASS	EMBLY PLANARIZATION
for which an application for a United States Letters Pate Application Number	ent was filed on
for which an application for a United States Letters Pater and	it was executed by me on,
Whereas, Tessera Research LLC	
a Limited Liability Company of <u>Delaware</u> herein referred to as "a 3025 Orchard Parkway; San Jose, California 95134	assignee" whose mailing address is
is desirous of acquiring the entire right, title and interest in the sa	me;
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Statinvention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or grother countries, for said invention, including without limitation priority or benefit of the aforesaid utility application pursuant to priority or benefit and the Commissioner of Patents and Trade patents on said improvements or resulting therefrom to said assand the undersigned for me and my legal representatives, helifurther remuneration, to execute and deliver all original, divis Letters Patent on said improvements and all assignments thereo assignee or its representatives all facts known to the undersigne to testify in any interferences or other legal proceedings in winvolved, to sign all lawful papers, make all rightful oaths, and to successors, assigns and nominees to obtain patent protection incident to said applications to be borne and paid by said assigned.	tes of America and all other countries in and to said original, divisional, continuation, continuation-in-part, anted therefor in the United States of America and all all applications and patents for said invention claiming any law or treaty, and including the right to claim such marks is hereby authorized and requested to issue all signee herein, as assignee of the entire interest therein; as and assigns do hereby agree and covenant without ional, continuation, reissue and other applications for for said assignee or its assigns, to communicate to said ed respecting said improvements, whenever requested, hich any of said applications or patents may become a do generally everything necessary to aid assignee, its for said improvements in all countries, the expenses
And I do hereby authorize my attorneys to insert on this deed the when known.	e filing date and application number of said application
	the second
7/23/2010	Al -
(Date)	(Slokature)
State of California) SS:	2.1V**
County of Santa Clara)	, , , , , , , , , , , , , , , , , , ,
On Saly 23, 2010 before me, Saline appeared Belgacem Haba, who proved to me on the basis of subscribed to the within instrument and acknowledged to me capacity, and that by his her signature on the instrument the persexecuted the instrument.	that he she executed the same in his her authorized
I certify under PENALTY OF PERJURY under the laws of the Sta	ite of California that the foregoing paragraph is true and
WITNESS my hand and official seal (Notary Public)	SALINA DIAZ Commission # 1889526 Notary Public - California Sanja Ciara County My Corlin. Expires May 18, 2014
x *Total of 5 forms are submitted.	

LID-527\

Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION TESSERA 3.0-616 Whereas, I, Craig Mitchell 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 MICROELECTRONIC ELEMENTS WITH POST-ASSEMBLY PLANARIZATION for which an application for a United States Letters Patent was filed on Application Number 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. (Signature) State of California) SS: County of , before me, Salina Dia & 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 Commission # 1889526 (Notary Public) Neiotary Stublic - California Santa Ciara County Comm. Expires May 16, 2014 *Total of 5 forms are submitted.

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

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former PTO/SB/15 (8-00) Modified LDLK&M

ACCIONISEENT OF LITH LTV APPLICATION	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-616
Whereas, I, Ilyas Mohammed	of
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, California 95134	
hereafter referred to as assignor, have with others invented cert	
MICROELECTRONIC ELEMENTS WITH POST-ASSEMBLY PLANARIZATION	
for which an application for a United States Letters Pate Application Number	ent was filed on
	A
for which an application for a United States Letters Pater and	it was executed by me on
Whereas, Tessera Research LLC	
a Limited Liability Company of <u>Delaware</u> herein referred to as "a 3025 Orchard Parkway; San Jose, California 95134	assignee" whose mailing address is
is desirous of acquiring the entire right, title and interest in the sa	inte;
is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Sta invention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or grother countries, for said invention, including without limitation priority or benefit of the aforesaid utility application pursuant to priority or benefit and the Commissioner of Patents and Trade patents on said improvements or resulting therefrom to said assand the undersigned for me and my legal representatives, heir further remuneration, to execute and deliver all original, divis Letters Patent on said improvements and all assignments thereo assignee or its representatives all facts known to the undersigne to testify in any interferences or other legal proceedings in w involved, to sign all lawful papers, make all rightful oaths, and to successors, assigns and nominees to obtain patent protection incident to said applications to be borne and paid by said assigned.	tes of America and all other countries in and to said original, divisional, continuation, continuation-in-part, anted therefor in the United States of America and all applications and patents for said invention claiming any law or treaty, and including the right to claim such marks is hereby authorized and requested to issue all signee herein, as assignee of the entire interest therein; is and assigns do hereby agree and covenant without ional, continuation, reissue and other applications for for said assignee or its assigns, to communicate to said ed respecting said improvements, whenever requested, hich any of said applications or patents may become o do generally everything necessary to aid assignee, its for said improvements in all countries, the expenses see.
when known.	1011
7/23/20/19	
(Pata)	(Signature)
State of California) SS:	(A. Loignature)
County of Santa Clara)	
On 5 2010 , before me, appeared Ilvas Mohammed, who proved to me on the basis of subscribed to the within instrument and acknowledged to me capacity, and that by his her signature on the instrument the persexecuted the instrument.	satisfactory evidence to be the person whose name is that he she executed the same in his her authorized
I certify under PENALTY OF PERJURY under the laws of the Sta	te of California that the foregoing paragraph is true and
WITNESS my hand and official seal (Notary Public)	SALINA DIAZ Commission 1889526 Notary Public - California Santa Clara County My Comm. Expires May 16, 2014
x *Total of 5 forms are submitted.	The state of the s

Assignments TESSERA 3/8-616

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former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-616
Whereas, I, Piyush Savalia	of
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, Cali	
hereafter referred to as assignor, have with others invented certain	
MICROELECTRONIC ELEMENTS WITH POST-ASS	

for which an application for a United States Letters Pate Application Number	ant was filed on
for which an application for a United States Letters Pater	Suido ovo sile di la vano
and	it was executed by me on
Whereas, Tessera Research LLC	
a Limited Liability Company of Delaware herein referred to as "a	assignee" whose mailing address is
3025 Orchard Parkway; San Jose, California 95134	
is desirous of acquiring the entire right, title and interest in the sa	ime;
invention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or grother countries, for said invention, including without limitation priority or benefit of the aforesaid utility application pursuant to priority or benefit and the Commissioner of Patents and Trade patents on said improvements or resulting therefrom to said ass and the undersigned for me and my legal representatives, heir further remuneration, to execute and deliver all original, divis Letters Patent on said improvements and all assignments thereor assignee or its representatives all facts known to the undersigne to testify in any interferences or other legal proceedings in winvolved, to sign all lawful papers, make all rightful oaths, and to successors, assigns and nominees to obtain patent protection incident to said applications to be borne and paid by said assigned.	anted therefor in the United States of America and all applications and patents for said invention claiming any law or treaty, and including the right to claim such marks is hereby authorized and requested to issue all signee herein, as assignee of the entire interest therein; as and assigns do hereby agree and covenant without clonal, continuation, reissue and other applications for f to said assignee or its assigns, to communicate to said ed respecting said improvements, whenever requested, hich any of said applications or patents may become to do generally everything necessary to aid assignee, its for said improvements in all countries, the expenses see.
And I do hereby authorize my attorneys to insert on this deed the when known.	e filing date and application number of said application
100 100 long 10	
$\frac{O7/25/2010}{O(5)}$	(Signature)
(Date) State of California) SS:	(Signature)
County of Santa Clara) On Sulfa Clara , before me, Salina appeared Piyush Savalia, who proved to me on the basis of subscribed to the within instrument and acknowledged to me capacity, and that by his her signature on the instrument the persexecuted the instrument.	that he she executed the same in his her authorized on, or the entity upon behalf of which the person acted,
I certify under PENALTY OF PERJURY under the laws of the Sta	ite of California that the foregoing paragraph is true and
correct.	
correct.	SALINA DIAZ Commission # 1869526
WITNESS my hand and official seal.	SALINA DIAZ Commission # 1889526 Notary Public - California
correct.	SALINA DIAZ Commission # 1889526 Notary Public - California Santa Clera County
witness my hand and official seal.	SALINA DIAZ Commission # 1889526 Notary Public - California

Assignments TESSERA 3 0-616

RECORDED: 05/02/2014