Form PTO-1595 (Rev. 09/ 04) OMB No. 0851-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FOR	
PATENTS	S ONLY
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(les)
VAGE OGANESIAN (11/02/2010), BELGACEM HABA (11/02/2010), ILYAS MOHAMMED (11/02/2010), CRAIG MITCHELL (11/02/2010), AND	Name: TESSERA RESEARCH LLC
	Internal Address:
Execution Date(s): in parentheses after Inventor name  Additional name(s) of conveying party(les) stracked? X Yes No	Street Address:
3. Nature of Conveyance:	3025 ORCHARD PARKWAY
X Assignment Merger	
Security Agreement Change of Name	City: SAN JOSE
Government Interest Assignment	State: CALIFORNIA
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 95134
Other	Additional name(s) & address(es) Yes X No
	attached:
12/883,431 Additional numbers attached	? Yes x No
5. Name and address to whom correspondence concerning document should be malled:	6. Total number of applications and patents involved:
Name: Charles H. Humkey LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address; Alty, Dkt.: TESSERA 3.0-628	Authorized to be charged by credit card
Street Address: 600 South Avenue West	Authorized to be charged to deposit account     Enclosed     None required (government interest not affecting title)
City: Westfield	8. Payment Information
State: NJ Zip: 07090	a. Credit Card Last 4 Numbers
Phone Number: (908) 654-5000	Expiration Date
Fax Number: (908) 654-0415	b. Deposit Account Number 12-1095 Authorized User Name Charles H. Humkey
Email Address:chumkey@ldlkm.com	Additional of the control of the con
9. Signature:	November 8, 2010
Signature 60 703	
Clfaries H. Humkey - 60,702  Name of Person Signing	sheet, attachments, and documents: 7

1289677

PATENT REEL: 025300 FRAME: 0524

	n		v	1
L	u	L	Ν.	ı

Form PTO-1595 (CONTINUED)			
Additional Conveying	Party(ies)/Exec	ution Date(s) (1. Continued):	ļ
Piyush Savalia (11/02/201	0)		
A 1 199	(0, 0, -tit)		
Additional Assignees	(2. Continued):		
Assignee Name: Internal Address: Street Address:			
City:	State:	Country:	Zip:
Assignee Name: Internal Address: Street Address:			
City:	State:	Country:	Zip:
Assignee Name: Internal Address: Street Address:			
City:	State:	Country:	Zip:
Additional Applications and/or Patents (4. Continued):			
Additional Patent Application No. 4A, Continued:		Additional Patent Numbers 4B. Continued:	
1289077 1.doe	Additional numbers	s attached? Yes No	

2

Docket No.:TESSERA 3.0-628

	former PTO/SB/15 (8-00) Modified LOLICEM		
	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-628		
Whereas, I, Vage Oganesian	of		
c/o Tessera Research LLC; 3025 Orchard Parkway; San	Jose, California 95134		
hereafter referred to as assignor, have with others invented cert			
STACKED CHIP ASSEMBLY HAVING VERTICAL VI			
× for which an application for a United States Letters Peter	0-1		
Application Number 12/883,431	11. 1700 1100 011		
for which an application for a United States Letters Pater	t was executed by me on		
and			
Whereas, Tessera Research LLC			
a Limited Liability Company of Delaware herein referred to as "o	ssignee" whose mailing address is		
3025 Orchard Parkway; San Jose, California 95134			
is desirous of acquiring the entire right, title and interest in the sa	amė;		
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 relistue 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, helix and assigns to hereby agree and covenant without further remuneration, to excute 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 when known.	ne ming date and application number of said application		
11/02/2010	Delle /		
(Date)	(Signature)		
State of California ) SS:			
county of Santa clara )			
on NOV 2, 2010, before me, 5410	No Dia 7. Notary Public personally		
appeared <u>Vage Oganesian</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 <u>leave</u> executed the same in <u>finisher</u> authorized capacity, and that <u>by figher</u> 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 St.	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 Clara County My Commit. Expires Way 16, 2014		
v *Total of 5 famor are submitted			

Assignments TESSERA 3 0-628 doc

	former PTQ/S8/15 (8-00) Modified LDLK8M			
	Docket Number (Optional)			
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-628			
Whereas, I, Belgacem Haba	of			
c/o Tessera Research LLC; 3025 Orchard Parkway; San				
hereafter referred to as assignor, have with others invented certain	ain new and useful improvements in			
STACKED CHIP ASSEMBLY HAVING VERTICAL VI	AS			
for which an application for a United States Letters Pate Application Number 12/863,431	ent was filed on September 16, 2010			
for which an application for a United States Letters Pater	t was executed by me on			
and	it was executed by file off			
Whereas, Tessera Research LLC				
a Limited Liability Company of <u>Delaware</u> herein referred to as "a 3025 Orchard Parkway; <u>San Jose</u> , <u>California</u> 95134	assignee" whose mailing address is			
is desirous of ecquiring the entire right, title and interest in the se	ame;			
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 aforesald 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 lew 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 to when known.	ne filing date and application number of sald application			
11-02-2010	11.00			
(Date)	(Signature)			
State of California ) \$8:	zel Xu			
County or Capta ( Capta				
on NOV 2, 2010 , before me, Salin	SaDiaz Notary Public personally			
appeared <u>Belgacem Haba</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 <b>Gasho</b> executed the same in <b>Gisho</b> r authorized capacity, and that by higher 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 St	ate of California that the foregoing paragraph is true and			
WITNESS (ity hand and official seal.  (Notary Public)	SALINA DIAZ  Commission # 1889528  Notary Public - California  Banta Clara County  My Corfolic Edding Fills) 10, 2014			
V *Total of 5 forms are submitted				

<u> </u>	former PTO/SB/16 (8-00) Modified LDLK&M		
	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-628		
Whereas, I, Ilyas Mohammed	af		
c/o Tessera Research LLC; 3025 Orchard Parkway; San			
hereafter referred to as assignor, have with others invented certain			
<del>-</del>			
STACKED CHIP ASSEMBLY HAVING VERTICAL VI	0		
<ul> <li>for which an application for a United States Letters Pate</li> <li>Application Number 12/883,431</li> </ul>	ent was filed on September 16, 2010		
for which an application for a United States Letters Pater	t was executed by me on		
and			
Whereas, Tessera Research LLC			
a Limited Liability Company of <u>Delaware</u> herein referred to as "a	ssignee" whose mailing address is		
3025 Orchard Parkway; San Jose, California 95134			
is desirous of acquiring the entire right, title and interest in the sa	me;		
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <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 aforesald 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 ald assignee, its successors, assigns and nominess 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	ne filing date and application number of said application		
when known.	1 march		
11/2 (2010			
	(Signature)		
(Date) State of California ) SS:	(signature)		
on Nov 2, 2010 before me, 54:20 sppeared <u>lives Mohemmed</u> , who proved to me on the basis of subscribed to the within instrument and acknowledged to me capacity, and that by her signature on the instrument the persecuted the instrument.	that he axecuted the same in the authorized		
I certify under PENALTY OF PERJURY under the laws of the Str	ate of California that the foregoing paragraph is true and		
correct	SALINA DIAZ		
WITNESS Try hand and official seal.	Commission # 1889526		
Delta Varago	Notary Public - California		
(Notary Public)	Santa Clara County My County Telephras May 15, 2014		
x *Total of 5 forms are submitted.	· · · · · · · · · · · · · · · · · · ·		

former PTO/SB/16 (8-00) Modified LDLK&M

	Docket Number (Optional)		
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-628		
Whereas, I, Craig Mitchell	of		
c/c Tessera Research LLC; 3025 Orchard Parkway; San	Jose, California 95134		
hereafter referred to as assignor, have with others invented certa STACKED CHIP ASSEMBLY HAVING VERTICAL VIJ			
for which an application for a United States Letters Pate	ent was filed on September 16, 2010		
Application Number 12/883,431  for which an application for a United States Letters Patent was executed by me on			
whereas, Tessera Research LLC			
a Limited Liability Company of <u>Delaware</u> herein referred to as "e	ssignee" whose mailing address is		
3025 Orchard Parkway; San Jose, California 95134			
is desirous of acquiring the entire right, title and interest in the sa	me;		
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 assigner 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 relesue 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 when known.	ne filing date and application number of said application		
11/2/10	Car Met 1 11		
1/12/10	very / a review		
State of California ) S5:	(Signature)		
County of Scota Clave )			
On NOV 2, 2010, before me, Solive Dia 2: Notary Robic 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 had executed the same in his mer 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.			
certify under PENALTY OF PERJURY under the laws of the St correct.  WITNESS my hand and official seal  (Notary Public)	SALINA DIAZ  SALINA DIAZ  Commission # 1889520  Notary Public - California  Sante Clara County  My Comm. Embres May 15, 2014		
V *Total of 5 forms are submitted			

LD-527\

Assignments TESSERA 3 0-628 (kill)

	former PTQ/S9/15 (8-00) Modified LDLK6M	
	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-628	
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 cert:		
STACKED CHIP ASSEMBLY HAVING VERTICAL VI		
	Contembos 16, 2010	
To which an application for a office diagram and an application for a office diagram and a second an application for a office diagram and a second an application for a office diagram and a second a second and a second a second and a second a second and		
Application Number 12/883,431  for which an application for a United States Letters Pater	is was even tad by ma co	
and	T T T T T T T T T T T T T T T T T T T	
Whereas, Tessers Research LLC		
a Limited Liability Company of <u>Delaware</u> herein referred to as "a	assignee" whose mailing address is	
3025 Orchard Parkway; San Jose, Catifornia 95134 is desirous of acquiring the entire right, title and interest in the sa	TOO.	
is desirous of acquiring the entire right, the and interest in the se	ii 170,	
NOW, THEREFORE, In consideration of the sum of one	dollars (\$ 1.00 ), the receipt whereof	
is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Sta	l as assignor hereby sell, assign and set over 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 grother countries, for said invention, including without limitation	ranted therefor in the United States of America and all	
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 Trade	imarks is hereby authorized and requested to issue all	
patents on said improvements or resulting therefrom to said as: and the undersigned for me and my legal representatives, hei	signee herein, as assignee of the entire interest therein; rs and assigns do hereby agree and covenant without	
further remuneration, to execute and deliver all original, divis	pional, continuation, reissue and other applications for	
Letters Patent on said improvements and all assignments therecessignee or its representatives all facts known to the undersign	of to said assignee or its assigns, to communicate to said	
to testify in any interferences or other legal proceedings in w	thich any of said applications or patents may become	
involved, to sign all lawful papers, make all rightful paths, and to	o do generally everything necessary to aid assignee, its	
successors, assigns and nominees to obtain patent protection incident to said applications to be borne and paid by said assign.	ee.	
And I do hereby authorize my attorneys to insert on this deed the filing data and application number of said application		
when known.	to ming date and appreciation notices or said approaction	
11/02/2010	1 - mal	
	Jan our	
(Date)	(Signature)	
State of California ) SS:		
county of Santa Clara )		
on <u>Nov 2,2010</u> before me, <u>Salin</u>	Ja Diaz Noter Public personally	
appeared Pivush 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 (1934) 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 St	ate of California that the foregoing paragraph is true and	
correct.	SALINA DIAZ	
WITNESS my hand and official seat)	Commission # 1889526	
Boult Ville	Notary Public - California	
(Notary Public)	Santa Clera County My Comm. Biolina Bio 16, 2014	
	THE WOLLD DEPT TO SEE IT DESCRIPTION OF THE PERSON OF THE	
Total of 5 forms are submitted.		



600 SOUTH AVENUE WEST . WESTFIELD, NEW JERSEY 07090 908.654.5000 . FAX 908.654.7866 . WWW.LDLKM.COM

PARLAIN, ERADIMARKS, COPYRIGHTS & UNIAIR COMPLESSION

## **Facsimile Transmittal**

To: Fax Number From

USPTO Assignment Division 571-273-0140 Phyllis Kelly 908-518-6456

Date: Nov. 8, 2010

No. Pages: 7

File Name.: TESSERA 3.0-628

Client/Matter No: 1904

Attorney/Secretary: CHH/tdo

## MESSAGE:

Please record the attached assignment and fax the Notice of Recordation to Phyllis Kelly at 908-654-7866.

NOTICE: The information contained herein is intended only for the addressee identified above. It may be or may include material that is confidential, attorney-client privileged, attorney work product, copyrighted, and/or inside information. If you are not the intended recipient, or a person responsible for delivering this message to the intended recipient, you are hereby notified that the unauthorized use, disclosure, distribution or copyring is strictly prohibited and may be in violation of court order or otherwise unlawful. If you have received this transmission in error, please immediately notify us at 908 654 5000 (collect, if necessary) and return this document to us by mail.

45350+ 1.doc

PATENT REEL: 025300 FRAME: 0531

**RECORDED: 11/08/2010**