Form PTO-1595 (Rev. 09/04) OMB Ng. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
RECORDATION FOR	N 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.	
Name of conveying party(les)/Execution Date(s):	2. Name and address of receiving party(les)	
CHARLES G. WOYCHIK (09/19/2011),		
KISHOR DESAI (09/26/2011), ILYAS		
MOHAMMED (09/12/2011), AND TERRENCE	Name: TESSERA, INC.	
CASKEY (09/14/2011)	Internal Address:	
Execution Date(s): in parentheses after Inventor name	Street Address:	
Additional name(s) of conveying party(ies) attached? Yes X No		
	3025 ORCHARD PARKWAY	
3. Nature of Conveyance:	Jozd Okolijako i zakemiri	
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) & eddress(es) Yes X No attached:	
	This document is being filed together with a new application.	
	B. Patent No.(5)	
A. Patent Application No.(s) 13/156,609	D. Fatorit (1979)	
100,000		
Additional numbers attached?	Yes X No	
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Joseph H. Karlin		
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
KROWHOLZ & MENTER, ELP	7. 10tal fee (37 GFR 1.21(II) & 3.41) 4 40.00	
TERRETA SO STO	Authorized to be charged by credit card	
Internal Address: Atty, Dkt.: TESSERA 3.0-673	Votrigized to be dissided by elevinoria	
Street Address: 600 South Avenue West		
	X Authorized to be charged to deposit account	
	Enclosed	
	None required (government interest not affecting title)	
City: Westfield	8. Payment Information	
City: vvestileto State: NJ Zlp: 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	
Email Address: jkarlin@ldlkm.com	Authorized User Name Joseph H. Karlin	
9. Signature: () //)/ (
Jaysh H. Keli	October 12, 2011	
Signature	Date	
Joseph H. Karlin - 62,471	Total number of pages Including cover	
Name of Person Signing	sheet, attachments, and documents	

PATENT REEL: 027066 FRAME: 0515

Whereas, I. Charles G. Woychik do Tessera, Inc.; 3025 Orchard Parkway, San Jose, California 95134 hereafter referred to as assignor, have with others invented certain new and useful improvements in LOW-STRESS TSV DESIGN USING CONDUCTIVE PARTICLES if for which an application for a United States Letters Patent was filed on June 9, 2011 Application Number 13/156,609 for which an application for a United States Letters Patent was executed by me on and Whereas, Tessera, Inc. a corporation of Deleware herein referred to as "assignee" whose mailing address is 3025 Orchard Parkway. San Jose, California 95134 is destinus 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 whereo is seknowledged, and other good and valuable consideration, it as assignor hereby sell, assign and set over to saic assignee my entire right, title and interest for the United States of America and all other countries in and to seld invention and the aforesaid utility patent application and all original, divisional, continuation, continuation, continuation, continuation, continuation, continuation, continuation, expensively or benefit and the Commissioner of Patents and Trademarks is hereby attending the right to commissioner of Patents and Trademarks is hereby attending the right to commissioner of Patents and Trademarks is hereby attending the right to commissioner of Patents and Trademarks is here as a patents for said invention claiming priority or benefit and the Commissioner of Patents and Trademarks is hereby attending the right to commissioner of Patents and Trademarks is hereby attending the right to claim such provements or resulting therefrom to said assignee herein, as assigneed in the aforesaid utility application pursuent to said assignee of the enter interest therein and the undersigned for me and my legal progressentatives, helrs and assignee of the patent services therein and the undersigned for me and covenant without the undersi	an annual contraction and the second	Docket Number (Optional)	
hereafter referred to as assignor, have with others invented certain new and useful improvements in LOW-STRESS TSV DESIGN USING CONDUCTIVE PARTICLES If for which an application for a United States Letters Patent was filed on June 9, 2011 Application Number 13/156,609 If or which an application for a United States Letters Patent was executed by me on and Whereas, Tessera, Inc., a corporation 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 whereo 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 explication pursuant to any law or treaty, and including in the priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including high to drain substitute or reissue applications and patents explication pursuant to any law or treaty, and including height to drain such priority or benefit and the Commissioner of Patents and Trademarks is hereby attracted and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assigneed the entire interest therein and the undersigned for me and my legal representatives, heirs and assigns to hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, ressue and other applications to be to me and all assignments thereof to all dassignee or its regresentatives all facts known to the undersigned for me and said improvements and all assignments thereof to all assignments where the	ASSIGNMENT OF UTILITY APPLICATION	, , , ,	
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State of California) SS: County of Janta Class) On 9/19/2011 , before me, Salina Diez, Motary Public person whose name is subscribed to the within instrument and acknowledged to me that the same in the person acted capacity, and that by his per signature on the instrument the person, or the entity upon behalf of which the person acted	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 and patents for said invention claiming 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 antire 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 caths, 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 an		
State of California) SS: County of Janta Class) On 9/19/2011 , before me, Salina Diez, Motary Public person whose name is subscribed to the within instrument and acknowledged to me that the same in the person acted capacity, and that by his per signature on the instrument the person, or the entity upon behalf of which the person acted		4-4 1 74-12	
State of California) SS: County of Janta Class) On 9/19/2011 , before me, Salina Diez, Motary Public person whose name is subscribed to the within instrument and acknowledged to me that the same in the person acted capacity, and that by his per signature on the instrument the person, or the entity upon behalf of which the person acted	7"17" 2011	- Com 200	
appeared Charles G. Woychik, 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 the same in the same in the person acted capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted	State of California) SS:	(Signature)	
	appeared Charles G. Woychik, 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 hat the executed the same in the authorized capacity, and that by his person acted, in the person acted, and that by his person acted, and that by his person acted.		
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. WITNESS my hand and official seal. SALINA DIA7 Commission * 1889526 Notary Public - California Salina Carra Spanly My Comm. Expires May 16, 2014	I certify under PENALTY OF PERJURY under the laws of the S correct. WITNESS my pland and official seal.	SALINA DIAZ Commission # 1885526 Nolary Public - California SalinaCarra spanly	
X *Total of 4 forms are submitted.	x Total of 4 forms are submitted.		

110-527

	former PTQ/58/15 (8-00) Modified LDLKSM
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESSERA 3.0-673
Whereas, I, Kishor Desai	of
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, Cali	
hereafter referred to as assignor, have with others invented certain	
LOW-STRESS TSV DESIGN USING CONDUCTIVE I	
for which an application for a United States Letters Patent was filed on Application Number 13/156,609	
for which an application for a United States Letters Pater and	nt was executed by me on
Whereas, Tessera, Inc.	- 1
a corporation of <u>Delaware</u> herein referred to as "assignee" whose 3025 Orchard Parkway; San Jose, California 95134	se mailing address is
is desirous of acquiring the entire right, title and interest in the sa	ame,
is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Stanvention and the aforesaid utility patent application and all substitute or reissue applications and patents applied for or gother 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 as and the undersigned for me and my legal representatives, he further remuneration, to execute and deliver all original, divit Letters Patent on said improvements and all assignments there assignee or its representatives all facts known to the undersign to testify in any interferences or other legal proceedings in vinvolved, to sign all lawful papers, make all rightful oaths, and is successors, assigns and nominees to obtain patent protection incident to said applications to be borne and paid by said assign	ptes of America and all other countries in and to said in original, divisional, continuation, continuation-in-part, irranted 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 emarks is hereby authorized and requested to Issue all signee herein, as assignee of the entire interest therein; and assigns do hereby agree and covenant without isional, continuation, reissue and other applications for of to said assignee or its assigns, to communicate to said ned respecting said improvements, whenever requested, which any of said applications or patents may become to do generally everything necessary to aid assignee, its in for said improvements in all countries, the expenses nee.
And I do hereby authorize my attorneys to insert on this deed to when known.	the filing date and application number of said application
<u> (1/26/201) </u>	<u>ureal</u>
(Date)	(Signature)
State of California) SS:	
County of Santa Cham)	Salina Diar, Notary Public personally
appeared Kishor Desai, 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 pe executed the instrument.	satisfactory evidence to be the person whose name is e that fieldhe executed the same in the authorized arson, or the entity upon behalf of which the person acted,
I certify under PENALTY OF PERJURY under the laws of the S	state of California that the foregoing paragraph is true and
correct	SALINA DIAZ
WITNESS my hand and official Pseal	Notary Public - California
and the	Santa Clara County
(Notary Public)	My Contro Eastros Asy 16, 2014 K
x Total of 4 forms are submitted	

130-527

··	jormer PTO/SB/15 (8-00) Modified LOLKSM	
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) TESSERA 3.0-673	
Whereas, I, Ilyas Mohammed	of	
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, Cali	fornia 95134	
hereafter referred to as assignor, have with others invented certain new and useful improvements in		
LOW-STRESS TSV DESIGN USING CONDUCTIVE		
for which an application for a United States Letters Pate Application Number 13/156.609	Lune D. 2044	
for which an application for a United States Letters Patent was executed by me on and		
Whereas, Tessera, Inc.		
a corporation of <u>Delaware</u> herein referred to as "assignee" who: 3025 Orchard Parkway; San Jose, California 95134	se mailing address Is	
is desirous of acquiring the entire right, title and interest in the sa	ame;	
is acknowledged, and other good and valuable consideration, assignee my entire right, title and interest for the United Stanwention and the eforesaid utility patent application and a substitute or reissue applications and patents applied for or gother 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 Tradigatents on said improvements or resulting therefrom to said as and the undersigned for me and my legal representatives, he further remuneration, to execute and deliver all original, dividetters Patent on said improvements and all assignments there assignee or its representatives all facts known to the undersign to testify in any interferences or other legal proceedings in vinvolved, to sign all lewful papers, make all rightful oaths, and successors, assigns and nominees to obtain patent protectio incident to said applications to be borne and paid by said assign	ates of America and all other countries in and to said ill original, divisional, continuation, continuation, continuation-in-part, pranted therefor in the United States of America and all all applications and patents for said Invention claiming or any law or treaty, and including the right to claim such emarks is hereby authorized and requested to issue all saignee herein, as assignee of the entire interest therein; and assigns do hereby agree and covenant without isional, continuation, reissue and other applications for of to said assignee or its assigns, to communicate to said ned respecting said improvements, whenever requested which any of said applications or patents may become to do gonerally everything nocessary to aid assignee, its in for said improvements in all countries, the expenses nee.	
And I do hereby authorize my attorneys to insert on this deed	the filing date and application number of said application	
when known.	Med _	
9/12/2011 _		
(Date)	/Signature)	
State of California) SS: County of Santa Clara)	-	
On 9/2/2011 before me,	Salins Dioz, Notary Public personally	
appeared <u>livas Mohammed</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 fine executed the same in higher 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.		
centify under PENALTY OF PERJURY under the laws of the S	State of California that the foregoing paragraph is true and	
correct.	SALINA DIAZ	
WITNESS my hand and official geal.	Commission # 1889526 Notary Public - Celifornia Santa Clara County My Comfil Expires May 16, 2014	
X *Total of 4 forms are submitted.		

L.D-527\

	former PTO/SB/15 (8-00) Modified LDLK&M	
	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-673	
	of	
Whereas, I, Terrence Caskey		
c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, Cali		
hereafter referred to as assignor, have with others invented cert		
LOW-STRESS TSV DESIGN USING CONDUCTIVE PARTICLES		
x for which an application for a United States Letters Patent was filed on June 9, 2011		
Application Number 13/156,609		
for which an application for a United States Letters Patent was executed by me on and		
Whereas, Tessera, Inc.		
a corporation of <u>Delaware</u> herein referred to as "assignee" who 3025 Orchard Parkway; San Jose, California 95134	se mailing address is	
is desirous of acquiring the entire right, title and interest in the s	ame:	
is desirons of sectoring the elitie point are sho interest to air a		
NOW, THEREFORE. In consideration of the sum of one is acknowledged, and other good and valuable consideration, assigned my entire right, title and interest for the United Stinvention and the aforesaid utility patent application and a substitute or reissue applications and patents applied for or gother 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 Tradition patents on said improvements or resulting therefrom to said and the undersigned for me and my legal representatives, he further remuneration, to execute and deliver all original, dividents Patent on said improvements and all assignments there assigned or its representatives all facts known to the undersigned to testify in any interferences or other legal proceedings in involved, to sign all lawful papers, make all rightful oaths, and successors, assigns and nominees to obtain patent protection incident to said applications to be borne and paid by said assign	ates of America and all other countries in and to said all original, divisional, continuation, continuation-in-part, granted therefor in the United States of America and all all applications and patents for said invention daiming any law or treaty, and including the right to claim such temarks is hereby authorized and requested to issue all assigned herein, as assigned of the entire interest therein; and assigns do hereby agree and covenant without islonal, continuation, reissue and other applications for to said assigned or its assigns, to communicate to said ned respecting said improvements, whenever requested, which any of said applications or patents may become to do generally everything necessary to aid assignee, its on for said improvements in all countries, the expenses nee.	
And I do hereby authorize my attorneys to insert on this deed	the filing date and application number of said application	
when known.		
1 4/14/2011	leve / all	
(Date)	(Signatúre)	
State of California () Ss.		
County of Sasta Clara)		
Q Tela	Salina Dioz, Notary Public	
On	personally	
appeared Terrence Caskey, who proved to me on the basis subscribed to the within instrument and acknowledged to me capacity, and that by his/her-signature on the instrument the perexecuted the instrument.	ie that neache executed the same inthisper authorized	
I certify under PENALTY OF PERJURY under the laws of the Scorrect.	State of California that the foregoing paragraph is true and	
WITNESS my hand and official seal.	SALINA DIAZ	
128/201/	Commission # 1889526 Notary Public - California	
Kolery Public Lang	My Comm. Expires May 16, 2014	
x 'Total of 4 forms are submitted.		

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