Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
RECORDATION FOR		
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):	2. Name and address of receiving party(ies)	
Belgacem Haba (03/03/2010) and Brian Marcucci (03/08/2010)	Name: <u>Tessera Research LLC</u>	
Additional name(s) of conveying party(les) attached? Yes X No	Inlemal Address: Street Address:	
3. Nature of conveyance/Execution Date(s):		
Execution Date(s): in parentheses after inventor name	3025 Orchard Parkway	
X Assignment Merger Change of Name		
Security Agreement Joint Research Agreement	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?	
14/071,055 Additional numbers attached?	Yes X No	
<ol><li>Name and address to whom correspondence concerning document should be malled:</li></ol>	6. Total number of applications and patents involved:	
Name: Daryl K. Neff  LERNER, DAVID, LITTENBERG,  KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Atty. Dkt.: TESSERA 3.0-589 II DIV II CON 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 Zlp: 07090		
Phone Number: 908-654-5000		
Fax Number: 908-654-7866	Deposit Account Number 12-1095	
Email Address: mcormier@ldlkm.com	Authorized User Name Daryl K. Neff	
9. Signature: Signature	November 7, 2013 Date	
Daryl K. Neff - 38,253 Name of Person Signifig	Total number of pages including cover sheet, attachments, and documents: 3	

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**PATENT** REEL: 031660 FRAME: 0431

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former PTO/SB/15 (\$-00) Modified LOUKEM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Oplianai)			
ASSIGNMENT OF CHEITT AFFLICATION	TESSERA 3.0-589 II			
Whereas, I, Belgacem Haba of				
c/o Tessera, Inc.: 3025 Orchard Parkway: San Jose, California				
hereafter referred to as assignor, have with others invented certain new and useful improvements in MICROELECTRONIC ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBOND AND CONDUCTIVE REFERENCE ELEMENT				
x for which an application for a United States Letters Patent was Application Number 12/722,784	silled on March 12, 2010			
for which an application for a United States Letters Patent was executed by me on				
and				
Whereas, Tessera Research LLC	the state of the s			
a limited liability company of <u>Delaware</u> herein referred to as "assignee" whose mailing address is				
3025 Orcherd Parkway; San Jose, California 95134 Is desirous of acquiring the entire right, title and interest in the same:				
• •	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 relissue 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 there from to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, helds and assigns do hereby agree and coveriant without further remuneration, to execute and deliver all original, divisional, continuation, relissue and other applications for Latters Patent on said improvements and at assignments thereof to said assignee on 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 patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.  I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/210.063, filed March 13, 2009, and in the invention disclosed thereto in all countries of the				
world including the right to claim priority or benefit of said Application No. 61/210.083 pursuant to any law or treaty in the countries of the world.				
And I do heraby authorize my attorneys to insert on this deed the fapplication when known.				
(Dale)	(Sel y Signaluter) a av			
State of California ) SS:	TSE gra			
County of Santa Clara )  On March 3 2010 before me, Jennifer Kostic Notary Public personally appeared Belgacem Haba, who proved to me on the beals 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.	JENNIFER KOSTIC			
WITNESS my mand and official sets	COMM. #1748383 # HOTARY PILLIC # CALIFORNIA B SANTA CLARA COUNTY CONTIN, EXP. JUNE 1, 2011 7			
((Nolary Public)	A CONTRACTOR OF THE PROPERTY O			
x Total of 2 forms are submitted,				

former PTO/SB/15 (8-00) Mod@ed LCUXEM .

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)		
	TESSERA 3.0-589		
Whereas, I, Brian Marcucci			
clo 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 ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBOND AND CONDUCTIVE REFERENCE ELEMENT			
for which an application for a United States Letters Patent was Application Number 12/722,784	filed on March 12, 2010		
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 <u>Delaware</u> herein referred to as "assignee" 3025 Orchard Parkway: San Jose, California 95134	whose mailing address is		
is desirous of acquiring the entire right, title and Interest in the same;	4 1 200 00 00 00 00 00 00 00 00 00 00 00 00		
continuation-in-part, substitute or reisaue applications and patents applicates of America and all other countries, for said invention, including wifer said invention claiming priority or benefit of the aforesaid utility applications the right to claim such priority or benefit and the Commission authorized and requested to issue all patents on said improvements herein, as essignee of the entire interest therein; and the undersigned the and essigns do hereby agree and covernant without further remuner; divisional, continuation, reisaue and other applications for Letters essignments thereof to said assignee or its assigns, to communicate the communicate the said applications for better in the undersigned respecting said improvaments, whenever or other legal proceedings in which any of said applications or patents papers, make all rightful oaths, and to do generally everything necessar and nominees to obtain patent protection for said improvements in all applications to be borne and paid by said assignee.  I, ea assignor, hereby assign to said assignee all of my right, title application No. 61/210.063, filed March 13, 2008, and in the invention	thout limitation all applications and patents libration pursuant to any law or treaty, and ner of Patents and Trademarks le hereby or resulting there from to said assignee for me and my legal representatives, heirs altion, to execute and deliver all original. Patent on said improvements and all to said assignee or its representatives all in requested, to testify in any interferences in may become involved, to sign all lawfully to aid assignee, its successors, assigns countries, the expenses incident to said and interest in United States Provisional addisclosed thereto in all countries of the		
world including the right to claim priority or benefit of said Application No. 61/210.063 pursuant to any law or treaty in the countries of the world.  And I do hereby authorize my attorneys to insert on this deed the filling date and application number of said application when known.			
& March 2010	1.1		
(Date)	(Signature)		
State of California ) SS:  County of Santa (lara ) Herore me, clining of the personally appeared Brian Marcucol, who proved to me on the basis of whose name is subscribed to the within instrument and acknowledged his/her authorized capacity, and that by his/her eignature on the instrument which the person ented, executed the instrument.	to me that he/she executed the same in		
Coertify under PENALTY OF PERJURY under the laws of the State of Circle and corrept.  WITNESS my hand and official bak  (Notary Public)	JENNIFER KOSTIC  COMM \$1748363  BOTTOM CLARA COUNTY  ONUMER EXPLAINME 1, 2011		
X Total of 2 forms are submitted,			

LDLKM

Assignments

**RECORDED: 11/07/2013** 

**PATENT** 

**REEL: 031660 FRAME: 0433**