orm PTO-1595 (Rev. 09/ 04)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
MB No. 0651-0027 (exp. 6/30/2005) RECORDATION FOR	W 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(ies)/Execution Date(s):	2. Name and address of receiving party(ies)	
BELGACEM HABA (03/03/2010) AND BRIAN MARCUCCI (03/08/2010)		
	Name: TESSERA RESEARCH LLC Internal Address:	
u ( ) vertee more	Street Address:	
Execution Date(s): in parentheses after inventor name  Additional name(s) of conveying party(ies) attached? Yes X No		
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:	
A. Patent Application No.(s)  12/722.784  Additional numbers attached	17 Yes X No	
Name and address to whom correspondence concerning document should be mailed:	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.: Tessear 3.0-589 II	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) 518-6396	Expiration Date  12-1095	
Fax Number: (908) 654-0415	b. Deposit Account Number 12-1095  Authorized User Name Daryl K. Neff	
Email Address: dneff@ldlkm.com	Authorized Oser Name Dary I C 1901	
9. Signature:		
0222	March 19, 2010  Date	
Signature		
Daryl K. Neff 38,253  Name of Person Signing	Total number of pages including cover sheet attachments, and documents:	
Name of Person Signing		

PATENT REEL: 024112 FRAME: 0047

former PTO/S8/16 (8:00) Modified CD: KAM

Whereas I. Beigacem Habb of ESSERA 3.0-589 II Whereas II. Beigacem Habb of ago Tesnerg Inc. 3025 Orchard Parkways, San Jese, California, 95134 Increditer referred to as assignor, have with others invented collars new and useful improvements in MICROELECTRONIC ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBOND AND CONDUCTIVE REFERENCE ELEMENT  If the vinice an application for a United States Letters Patient was filed on Application Number 12/722,784  for vinice an application for a United States Letters Patient was filed on Application Number 12/722,784.  In order of Parkway San Jose, California 95134  Is desirous or acquiring the entire right, title and interest in the same:  NOW, THERSFORE, in consideration of the sum of page distriction of the sum of the advances of the sum of the	AND A STATE OF THE PROPERTY OF	Docket Number (Optional)		
Lorenters Inc.; 3025 Orchard Parkway, San, Jose, California 95134.  Nareafier referred to as assignor, here with others invented cutain new and useful improvements in MICROELECTRONIC ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBOND AND CONDUCTIVE REFERENCE ELEMENT  If or which an application for a United States Letters Patent was filed on Narch 12, 2010  Application Number 12/722,784  If or which an application for a United States Letters Patent was filed on Narch 12, 2010  Application Number 12/722,7854  If or which an application for a United States Letters Patent was discussed by the on and with the patent was a secondary to the original and the patent was filed on Narch 12, 2010  Whareas, Tessara Research LLC  a limited liability company of Delaware horoin referred to as "assigned" whose mail is adviced as a secondary of Delaware horoin referred to as "assigned" whose mail is adviced as delay to the country of the same is desirous or accurring the entire right, title and interest in the same:  NOW, THERFORE, in consideration of the sum of general collars (\$ 100 ), the receipt whereas is a desirous or accurring the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforead utility patent application and all original distinction of the adviced and interest to the United States of America and all other countries in and to said invention and the aforead utility patent application and all original distinctions and patents as a section of the adviced and all other countries in and to said invention and the aforead utility patent application and patents as a place of America and all other countries, for said invention, including without program or said patents and all original distinction claiming profity or benefit of the aforead patents as placed to program or said patents and all original distinction of the entire interest therein; and the undersigned for me and my legal representatives, him and assigned affects of the distinction of the entire	ASSIGNMENT OF UTILITY APPLICATION	TESSERA 3.0-589 II		
bereafter referred to as assignor, have with offices invanted collain new and useful improvements in MICROEL ECTRONIC ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBOND AND CONDUCTIVE REFERENCE ELEMENT  of which an application for a United States Letters Patent was filed on Narch 12, 2010  Application Number 12/722,784  for which an application for a United States Letters Patent was filed on Narch 12, 2010  Whereas, Tessera Research LLC  a limited labelity company of Delaware horizin referred to as "assigned whose mailing address is 3025 Ornard Parkway, San Jose, California, 95134  is desirous to accurring the entire right, title and interest in the same:  NOW, THEREFORE, in consideration of the sum of good delars (\$ 1.00 ), the receipt whereof as schemologisted, and other good and valuable consideration, it as assignor heroby sell, assign and set over to said assigned my entire right, title and interest for the United States of America and all other countries for and to said invention and the aforesaid utility patent application and all or grant-divisional, continuation, continuation-in-mon, substitute or resistue applications and patents applicated for granted therefor in the United States of America and all other countries, for said invention, including without limitation all application and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the light to caterin such practity or benefit and this Commissioner of Patents and Tratemarks is hereby authorized and requested to issue all patents on said improvements or resulting there from to said assigned the patent and accountable for said invention, including without limitation all agreed patents where the right is caterily accountable for examination to exceed a neglection of the said assigned to hereby agreed benefit on the patent and the said of the resonance of the extraordination for said assigned or the entire united in the patent and accountables in the united States Provision	Whereas, I. Belgacem Haba	1		
MICROELECTRONIC ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBURD AND CONDUCTIVE REFERENCE ELEMENT    Tor which an application for a United States Letters Peters was filed on   March   12, 2010	c/o Tessera, Inc.; 3025 Orchard Parkway; San Jose, California	95134		
Application Number 12/722,784  for which an application for a United States Lotters Patent was executed by the on and and and subject to the state of the state o	hereafter referred to as assignor, have with others invented certain new and useful improvements in MICROELECTRONIC ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBOND AND			
Whereas, Tossera Research LLC a limited lability company of Delaware herein referred to as "assigned" whose mailing address is 3075 Ordered Perkway. San Jose, California 95134 is desirous to acquaring the entire right, title and interest in the same:  NOW, THEREFORE in consideration of the sum ofno deliars (\$_100	None come	s filed on March 12, 2010		
a limited liability company of <u>Delaware</u> hordin referred to as "assignee" whose mailing address is 3025 Organd Parkway; San Jose, California 95134 is desirous or acquiring the entire right, title and interest in the same:  NOW, THEREFORE, in consideration of the sum of <u>and</u> dollars (\$ 1.00 ), the recept whereof is asknowledged, and other good and valuable consideration. It as assignor hereby sell, assign and set over to said assignee my principit, 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 organic divisional, continuation, in-port, substitute or reissue applications and patents applied for or granted therefore 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 stillity application pursuant to any like or truly, and including the right to claims 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 hereby agree and coverant without further remuneration, to execute and tolliver all original, divisional, continuation, reissue and other applications for Lotters Patent o is said assigneed of which application is the result of the aforesaid improvements whereour is all 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 may became involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to asid assignee or its representatives all facts known to the undersigned respecting said improvements may became involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to asid assignee its expectations of patent		executed by are on,		
is desirous or accurring the entire right, title and interest in the same:  NOW, THEREFORE, in consideration of the sum of and 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-port, substitute or reissue applications and patents apolication and all original divisional continuation, continuation-in-port, substitute or reissue applications and patents apolication profits of the interest of the aforesaid utility application pursuant to any law or treatly, and including the right to claims 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, heirs and assigns do hereby agree and coverant without further remuneration, to account and deliver all profits and assigns thereof to said assignee or its assigns, to communicate to said assignee or its representatives, heirs and assigns 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 be arm involved, original, its applications in which any of said applications are patents may be arm involved to said applications to be borne and palid by said assignee.  I, as assignor, hareby assign to said assignee all of my right, title and interest in United States Provisional Application when his particular and palication may be admitted by the provisional Application when the work i	Whereas, Tessera Research LLC			
is desirous or accurring the entire right, title and interest in the same:  NOW, THEREFORE, in consideration of the sum of and 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-port, substitute or reissue applications and patents apolication and all original divisional continuation, continuation-in-port, substitute or reissue applications and patents apolication profits of the interest of the aforesaid utility application pursuant to any law or treatly, and including the right to claims 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, heirs and assigns do hereby agree and coverant without further remuneration, to account and deliver all profits and assigns thereof to said assignee or its assigns, to communicate to said assignee or its representatives, heirs and assigns 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 be arm involved, original, its applications in which any of said applications are patents may be arm involved to said applications to be borne and palid by said assignee.  I, as assignor, hareby assign to said assignee all of my right, title and interest in United States Provisional Application when his particular and palication may be admitted by the provisional Application when the work i	a limited liability company of Delaware heroin referred to as "assignee"	whose mailing address is		
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the recept whereof is alknowledged, and other good and valuable consideration, it is assigner hereby self, assign and set over to said assigner whereof is a skinowledged, and other good and valuable consideration, it is assigner hereby self, assign and set over to said assigner whereby self, assign and set on the said assigner whereby self is and to said invention and the aforesaid utility patient application and all original divisional, continuation, continuation-in-port, substitute or reissue applications and patients applied for originated therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patients for said anvention claiming priority or benefit and the Commissioner of Patients and Trademarks is hereby authorized and requested to issue all patients on said improvements or resulting there from to said assignee herein, as assignee of the entire interest therein; not the undersigned for me and my legal representatives, heirs and assignes of hereby agree and covenant without further remuneration, to assignee all original, divisional, continuation, relissue and other applications for Lotters Patient on said improvements and all facts known to the undersigned respecting said improvements, whenever requested, to fastly in any interferences or other legal proceedings in which any of said applications or patients may be a me involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to take assignee or its representatives all facts known to be borne and paid by said assignee all of my right, title and interest in United States Provisional Application to be borne and paid by said assignee all of my right, title and interest in United States Provisional Application in the countries of the word.  And I do thereby authorize my automays to insert on this doed the filing date and application number of said application when known	3025 Orchard Parkway: San Jose, California, 95134			
whereof is acknowledged, and other good and valuable consideration, it as assignor hereby sell, assign and sell 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 addressed 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 limited and 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 of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such 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 Treatmarks is hereby authorized and requested to issue all patents on said improvements or resulting there from to said assignee therein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assignee of the entire interest therein; and the undersigned for me and my legal representatives, all facts known to the undersigned respecting said improvements for Letters Patent on said intercements and all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interference or detertional, to extend a single or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interference or detertional protein protection for said improvements in all countries to testify in any interference or detertional protein protection for said improvements in all countries to testify in any interference and patents on be borne and paid by said assignee or the s		Lili (6 1.00 ) the receptant		
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. 61/210.063 pursuant to any law or treaty in the countries of the world.  And it do hereby authorize my attorneys to insert on this doed the filing date and application number of said application when known.  (Date)  State of California ) SS:  County of On March 3 2000 before me. Cristo All To All To All To 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 service of the paragraph of the same and correct.  WITNESS my hand and official service of the same in his/her signature on the instrument that the foregoing paragraph is COMM, #1748363 NOTARY PUBLIC & COMM PUBLIC	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 there from 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.			
State of California ) SS:  County of On before me. Why of Notary Public of 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 services of the state of California that the foregoing paragraph is subscribed 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 services and the state of California that the foregoing paragraph is subscribed to the within instrument.  [Notary Public]	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. 61/210.033 pursuant to any law or treaty			
State of California ) SS:  County of		filing date and application number of said		
State of California ) SS:  County of On		and the second of the second o		
County of  On		Signature 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
true and correct.  WITNESS my hand and official self.  COMM. #1748383  ROYARY PUBLIC ** CALIFORNIA BE SANTA CLARA COUNTY Comm. Exp. JUNE 1, 2011  (Notary Public)	County of			
SANTA CLARA COUNTY Comm. Exp. JUNE 1, 2017 (Notary Public)	true and correct.	JENNIFER KOSTIC SCOMM. #1748383		
X *Total of 2 forms are submitted.		SANTA CLARA COUNTY Comm. Exp. JUNE 1, 2011		
	x *Total of 2 forms are submitted.			

 $\Delta ssigning uts$ 

PATENT REEL: 024112 FRAME: 0048

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

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	TESSERA 3.0-589 II	
Whereas, I, Brian Marcucci	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 ASSEMBLY WITH IMPEDANCE CONTROLLED WIREBOND AND CONDUCTIVE REFERENCE ELEMENT		
x for which an application for a United States Letters Parent was filed on March 12, 2010 Application Number 12/722,784		
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" whose mailing address is 3025 Orchard Parkway; San Jose, California 95134		
is desirous of acquiring the entire right, title and interest in the same;		
whereof is acknowledged, and other good and valuable consideration, I as assign or 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 there from 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.		
I, as assigner, 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. 61/210.063 pursuant to any law or treaty in the countries of the world.		
And I do heroby authorize my attorneys to insert on this deed the fapplication when known  Smarch 2010 (Date)	iling date and application number of said (S.4nature)	
State of Catifornia ) SS:  County of (476 )  On (476 ) before me, (476 )  personally appeared <u>Brian Marcucci</u> , who proved to me on the basis whose name is subscribed to the within instrument and acknowledge his/her authorized capacity, and that by his/her signature on the instrument which the person acted, executed the instrument.	d to me that he/she executed the same in nont the person, or the entity upon behalf of	
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 shall.  WITNESS, my hand and official shall.  (Notary Public)  JENNIFER KOSTIC COMM. 81748383  ROTARY PUBLIC & CALIFORNIA R SANTA CLARA COUNTY  OCCURRE EXAMINE 1, 2011		
*Total of 2 forms are submitted.		

Assignments

**PATENT** REEL: 024112 FRAME: 0049

**RECORDED: 03/19/2010**