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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s): BELGACEM HABA Execution Date(s): July 28, 2010 Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies) Name: <u>TESSERA RESEARCH LLC</u> Internal Address: _____ Street Address: <u>3025 ORCHARD PARKWAY</u> City: <u>SAN JOSE</u> State: <u>CALIFORNIA</u> Country: <u>United States of America</u> Zip <u>95134</u> Additional name(s) & address(es) attached? ☐ Yes ☒ No
3. Nature of Conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Government Interest Assignment ☐ Executive Order 9424, Confirmatory License ☐ Other _____	4. Application or patent number(s): ☒ This document is being filed together with a new application. A. Patent Application No.(s) <u>12/844,463</u> B. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Joseph H. Karlin</u> <u>LENER, DAVID, LITTENBERG,</u> <u>KRUMHOLZ & MENTLIK, LLP</u> Internal Address: Atty. Dkt. <u>TESSERA 3.0-610</u> Street Address: <u>600 South Avenue West</u> City: <u>Westfield</u> State: <u>NJ</u> Zip: <u>07090</u> Phone Number: <u>(908) 654-5000</u> Fax Number: <u>(908) 654-0415</u> Email Address: <u>jkarlin@ldlkm.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> ☐ Authorized to be charged by credit card ☒ Authorized to be charged to deposit account ☐ Enclosed ☐ None required (government interest not affecting title)
8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>12-1095</u> Authorized User Name <u>Joseph H. Karlin</u>	
9. Signature: _____ Signature Joseph H. Karlin - 62,471 Name of Person Signing <u>July 28, 2010</u> _____ Date Total number of pages including cover sheet, attachments, and documents. 2	

CH \$40.00 121095 12844403

Docket Number (Optional)
TESSERA 3 0-610

ASSIGNMENT OF UTILITY APPLICATION

Whereas, I, Belgacem Haba, of c/o Tessera, Inc. 3025 Orchard Parkway, San Jose, California 95134, hereafter referred to as assignor, have invented certain new and useful improvements in MICROELECTRONIC PACKAGES WITH NANO PARTICLE JOINING

☒ for which an application for a United States Letters Patent was filed on July 27, 2010
Application Number 12/844,463

☐ 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 _____ 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 the 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 claims, 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)

(Date)

State of CA) SS
County of San Jose)

On July 27, 2010, before me, Karen A. Rogers, personally appeared Belgacem Haba, 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.

(Notary Public)

☐ *Total of _____ forms are submitted

