

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>KRISHNENDU CHAKRABARTY</td> <td>11/01/2012</td> </tr> <tr> <td>BRANDON NOIA</td> <td>11/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	KRISHNENDU CHAKRABARTY	11/01/2012	BRANDON NOIA	11/01/2012				
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<table border="1"> <tr> <td>Name:</td> <td>DUKE UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>Office of Science and Technology</td> </tr> <tr> <td>City:</td> <td>Durham</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27710</td> </tr> </table>		Name:	DUKE UNIVERSITY	Street Address:	Office of Science and Technology	City:	Durham	State/Country:	NORTH CAROLINA	Postal Code:	27710
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CORRESPONDENCE DATA											
<p>Fax Number: 3523725800  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 352-375-8100        Email: SJK@SLEPATENTS.COM        Correspondent Name: SARAH J. KNIGHT        Address Line 1: PO BOX 142950        Address Line 4: GAINESVILLE, FLORIDA 32614-2950</p>											
ATTORNEY DOCKET NUMBER:	MAR.DUK.102										
NAME OF SUBMITTER:	SARAH J KNIGHT										
<p>Total Attachments: 3        source=AssignmentAF#page1.tif        source=AssignmentAF#page2.tif        source=AssignmentAF#page3.tif</p>											

CH \$40.00 13666696

## ASSIGNMENT

WHEREAS, we, the undersigned, residing at the indicated addresses given below, have invented certain new and useful improvements in **SCAN TEST OF DIE LOGIC IN 3D ICs USING TSV PROBING**, for which an application for United States Letters Patent was:

Filed on November 1, 2012, Serial No. 13/666,696.

The undersigned hereby authorizes and requests a legal representative from Saliwanchik, Lloyd & Eisenschenk, P.A., P.O. Box 142950, Gainesville, FL 32614-2950, who are associated with customer number 23557, to insert the Filing Date and Serial No. above when known;


WHEREAS, DUKE UNIVERSITY, Office of Science and Technology, Durham, North Carolina, 27710 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said DUKE UNIVERSITY, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said DUKE UNIVERSITY, as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said DUKE UNIVERSITY, its successors and assigns.

FURTHER, we agree that we will communicate to said DUKE UNIVERSITY, or its representatives, any facts known to me respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said DUKE UNIVERSITY; make all rightful oaths; and generally do everything possible to aid the said DUKE UNIVERSITY, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

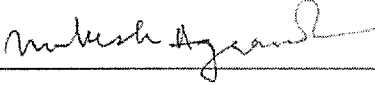
IN TESTIMONY WHEREOF, I have hereunto set my hand this 1<sup>st</sup> day of  
November, 2012.

Signature: Krishnendu Chakrabarty

Address:

106 Eastgreen Drive  
Chapel Hill, NC 27516

WITNESS:

Signature: Printed Name: MUKESH AGRAWALDate: 11/1/12

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1<sup>st</sup> day of November, 2012.

Signature: \_\_\_\_\_

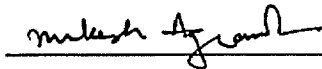
**Brandon Noia**

Address: \_\_\_\_\_

300 Swift Ave., Apt. 17  
Durham, NC 27705

WITNESS:

Signature: \_\_\_\_\_



Printed Name: \_\_\_\_\_

MUKESH AGRAWAL

Date: \_\_\_\_\_

11/1/12