

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2883673

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MAKARAND PARANJAPE	04/15/2014
PAOLA BARBARA	04/16/2014
AMY LIU	04/16/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GEORGETOWN UNIVERSITY
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<b>City:</b>	WASHINGTON
<b>State/Country:</b>	D.C.
<b>Postal Code:</b>	20057
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14295592
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	GU0007-CON1
<b>NAME OF SUBMITTER:</b>	DAWN-MARIE BEY, REG. NO. 44,442
<b>SIGNATURE:</b>	/Dawn-Marie Bey/
<b>DATE SIGNED:</b>	06/04/2014
<b>Total Attachments: 3</b>	
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ASSIGNMENT

WHEREAS, **Makarand PARANJAPE, Paola BARBARA, and Amy LIU** (referred to as "ASSIGNOR") have invented certain new and useful inventions and discoveries described in the applications for patents listed below,

- for which a provisional patent application for a United States Patent was filed with the United States Patent and Trademark Office on 10/28/11, as Serial Number 61/552,914, entitled **ELECTRONIC AND OPTOELECTRONIC DEVICES USING SINGLE LAYER MoS<sub>2</sub>**;
- for which a utility patent application for a United States Patent was filed with the United States Patent and Trademark Office on 10/26/12, as Serial Number 13/661,979, entitled **METHOD AND SYSTEM FOR GENERATING A PHOTO-RESPONSE FROM MoS<sub>2</sub> SCHOTTKY JUNCTIONS**;
- for which a PCT patent application was filed with the United States Patent and Trademark Office, as Receiving Office, on 10/26/12, as Serial Number PCT/US12/62130, entitled **METHOD AND SYSTEM FOR GENERATING A PHOTO-RESPONSE FROM MoS<sub>2</sub> SCHOTTKY JUNCTIONS**;

WHEREAS, **GEORGETOWN UNIVERSITY**, a nonprofit institution of higher education organized as a non-stock corporation under federal charter ("Georgetown") and whose principal place of business is situated at **37th and O Streets, N.W., Washington, D.C., U.S.A.** (hereinafter called "Georgetown"), is desirous of acquiring the entire right, title and interest in and to said inventions and discoveries, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells and transfers to said Georgetown, and to Georgetown's successors and assigns, ASSIGNOR'S entire right, title and interest in and to said inventions and discoveries in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said inventions and discoveries by said application or any patent application claiming priority to the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term of terms for which the same may be granted; and authorize and

request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this inventions and discoveries to Georgetown, its lawful successors and assigns.

ASSIGNOR further covenants that Georgetown will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said inventions and discoveries and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to Georgetown or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said inventions and discoveries and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and signed on the date indicated below:

SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above.

INVENTOR(S)

DATE SIGNED

1)   
 \_\_\_\_\_  
**Makurand PARANJAPE**

Apr. 15/2014

**Witness Signature**

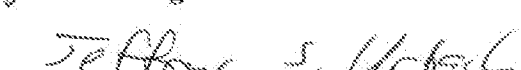
  
 \_\_\_\_\_

**Witness Name (Printed)**

2)   
 \_\_\_\_\_  
**Paola BARBARA**

4/16/2014

**Witness Signature**

  
 \_\_\_\_\_

**Witness Name (Printed)**

INVENTOR(S)

DATE SIGNED

3) Amy Liu  
Amy LIU

4/16/14

Mary A. Rashid  
Witness Signature

MARY A. RASHID  
Witness Name (Printed)