

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3214434

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS EDWIN BEECHEM III	04/08/2014
STEPHEN W. HOWELL	06/17/2014
DAVID W. PETERS	01/27/2014
PAUL DAVIDS	01/07/2015
TAISUKE OHTA	01/07/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SANDIA CORPORATION
<b>Street Address:</b>	P.O. BOX 5800, MS-0161
<b>City:</b>	ALBUQUERQUE
<b>State/Country:</b>	NEW MEXICO
<b>Postal Code:</b>	87185
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14056023
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(505)844-9955
<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>	
<b>Phone:</b>	505-844-7283
<b>Email:</b>	dcates@sandia.gov
<b>Correspondent Name:</b>	SANDIA NATIONAL LABORATORIES
<b>Address Line 1:</b>	P.O. BOX 5800, MS-0161
<b>Address Line 4:</b>	ALBUQUERQUE, NEW MEXICO 87185
<b>ATTORNEY DOCKET NUMBER:</b>	SD12117.1/S129243
<b>NAME OF SUBMITTER:</b>	DIANA CATES
<b>SIGNATURE:</b>	/Diana Cates/
<b>DATE SIGNED:</b>	02/05/2015
<b>Total Attachments: 3</b>	
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January 24, 2014

ASSIGNMENT

WHEREAS, **Thomas Edwin Beechem III, Stephen W. Howell, David W. Peters, Paul Davids and Taisuke Ohta of Albuquerque, New Mexico** have made an invention relating to **Sub-Wavelength Antenna Enhanced Bilayer Graphene Tunable Photodetector**, in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket No: **S-129243** duly executed by said inventor(s) and

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) assigned to Sandia Corporation, its successors and assigns, all of Inventor(s) rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, title to the above-identified invention vests in the Government of the United States, as represented by the U.S. Department of Energy, as governed by 42 U.S.C. 5908; and

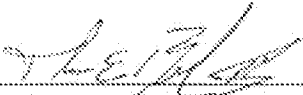
WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation; and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents, to the extent that Inventor(s) right, title, and interest in and to said invention has(have) not already been sold, assigned, or transferred to Sandia Corporation by Inventor(s) in consideration of Inventor(s) employment by Sandia Corporation.


Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

I hereby authorize and request my attorney, Kevin W. Bieg, of Sandia Corporation, Albuquerque, New Mexico, to insert here in parentheses (Application No. 14/056,023, filed October 17, 2013), the application number and filing date of said application when known.

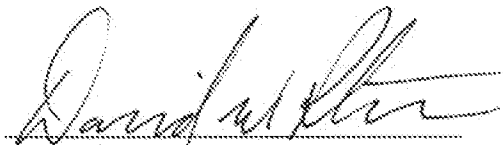
Signed at Albuquerque, New Mexico.

  
Thomas Edwin Beechem III

04/08/2014  
Date

  
Stephen W. Howell

06/17/2014  
Date

  
David W. Peters

01/27/2014  
Date

  
Paul Davids

01/07/2015  
Date

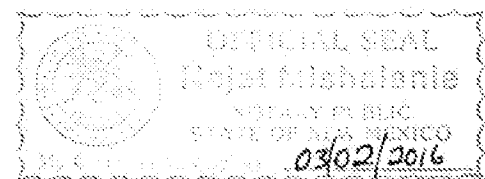
  
Taisuke Ohta

1/7/2015  
Date

STATE OF NEW MEXICO    )  
  ) ss:  
COUNTY OF BERNALILLO    )

On the above date, personally appeared before me, Najat Mishalanie, Notary Public, Thomas Edwin Beechem III, Stephen W. Howell, David W. Peters, Paul Davids and Taisuke Ohta, to me known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that he executed the same.

  
Notary Public

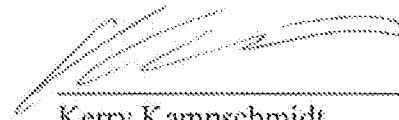


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Approved and consented by:

SANDIA CORPORATION

Date: 2/5/15



Kerry Kampschmidt  
Senior Managing IP Counsel  
Legal Technology Transfer Center