

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2884187

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GARY BERNSTEIN	02/03/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF NOTRE DAME DU LAC
<b>Street Address:</b>	940 GRACE HALL
<b>City:</b>	NOTRE DAME
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46556
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61849090
<b>Application Number:</b>	14158079
<b>Application Number:</b>	14158156
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)945-5933
<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>Correspondent Name:</b>	THE WEBB LAW FIRM, JOHN W. MCILVAINE
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<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15222
<b>ATTORNEY DOCKET NUMBER:</b>	6931-134825
<b>NAME OF SUBMITTER:</b>	JOHN W. MCILVAINE
<b>SIGNATURE:</b>	/John W. McIlvaine/
<b>DATE SIGNED:</b>	06/04/2014
<b>Total Attachments: 2</b>	
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source=coverbernstein134825#page2.tif	

### RECORDATION FORM 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.

**1. Name of conveying party(ies)**

Gary Bernstein

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: UNIVERSITY OF NOTRE DAME DU LAC

Internal Address: 940 Grace Hall

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

City: Notre Dame

State: IN

Country: US Zip: 46556

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 02/03/2014

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 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)

61/849,090  
14/158,079  
14/158,156

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: John W. McIlvaine

Internal Address: The Webb Law Firm

Street Address: One Gateway Center  
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved:** 3**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

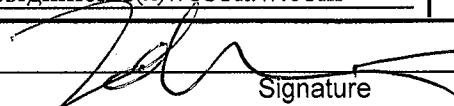
- Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 1916  
Expiration Date 05/2015

b. Deposit Account Number 23-0650

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

June 4, 2014

Date

John W. McIlvaine

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Doc. No.

**ASSIGNMENT**

WHEREAS, GARY BERNSTEIN, whose office address appears below (hereinafter referred to as ASSIGNOR), is an employee of the University of Notre Dame du Lac, with an address at 940 Grace Hall, Notre Dame, Indiana, 46556 (hereinafter referred to as ASSIGNEE) and has certain obligations to disclose and assign patentable new inventions to ASSIGNEE; and

WHEREAS, ASSIGNOR has invented a new and useful invention entitled: "Method and Device for Highly Accurate, Self-aligned Inter-chip Optical Waveguide Coupling", Docket Number UND-2013-016 (hereinafter referred to as the INVENTION) for which a United States Provisional Patent Application was filed January 18, 2013, and was assigned Patent Application S/N 61/849,090; and for which two United States Utility Patent Applications were filed on January 18, 2014, and were assigned Patent Application S/N 14/158,079 and S/N 14/158,156; and

WHEREAS, ASSIGNEE is desirous of acquiring the entire right, title and interest in and to the INVENTION in the United States and throughout the world; and

WHEREAS, ASSIGNOR is willing to assign his entire right, title, and interest in and to the INVENTION to ASSIGNEE;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said INVENTION and applications throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to said INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said INVENTION.

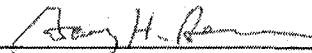
ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument.

ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to transfer the right to sue for past infringement to ASSIGNEE and at ASSIGNEE'S request documents and information concerning the enforcement of the right to sue within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the right to sue of any patent encompassed within the terms of this instrument.

ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behalf; and for the use and behalf of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Dr. Gary Bernstein  
225 202 Cushing Hall  
Notre Dame, IN 46556

  
\_\_\_\_\_  
Signature  
2/13/14  
\_\_\_\_\_  
Date

*(Notarization preferred but not required)*

Before me personally appeared said \_\_\_\_\_ and acknowledges this instrument to be his (her) free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2006.

\_\_\_\_\_  
Notary Public