

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3101545

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HUILI (GRACE) XING	10/29/2014
DEBDEEP JENA	10/29/2014
KAZUKI NOMOTO	11/06/2014
BO SONG	11/06/2014
MINGDA ZHU	11/07/2014
ZONGYANG HU	10/31/2014
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City:	NOTRE DAME
State/Country:	INDIANA
Postal Code:	46556
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14470569
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ATTORNEY DOCKET NUMBER:	135404.UND-14-005
NAME OF SUBMITTER:	KEITH R. JAROSIK
SIGNATURE:	/Keith R. Jarosik/
DATE SIGNED:	11/10/2014
Total Attachments: 8	

PATENT

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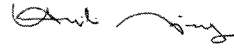
PATENT ASSIGNMENT AND DECLARATION

WHEREAS, we, **Huili (Grace) Xing** of 7 Stone Creek Drive, Ithaca, NY 14850, **Debdeep Jena** of 7 Stone Creek Drive, Ithaca, NY 14850, **Kazuki Nomoto** of 5824 Iroquois Lane, Apt. 1A, Mishawaka, IN 46545, **Bo Song** of 2917 Birchwood Drive, Mishawaka, IN 46545, **Mingda Zhu** of 509 Sugar Pine Drive, Mishawaka, IN 46545 and **Zongyang Hu** of 275 Fitzpatrick Hall, Notre Dame, IN 46556, have invented a certain new and useful invention entitled **POLARIZATION DOPED TRANSISTOR** for which a patent application has been prepared for filing with the United States Patent & Trademark Office, which has been assigned application number **14/470,569**.


I. ASSIGNMENT

NOW THEREFORE, be it known that for good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, we, hereby sell and assign to **University of Notre Dame du Lac**, (“Assignee”), a university, having its principal place of business at 940 Grace Hall, Notre Dame, Indiana 46556-5602, U.S.A., its successors, assigns, nominees, or other legal representatives, the entire right, title, and interest in and to the invention invented by us, and the application for United States patent therefor, the declaration, and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subject-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents and Utility Model Registrations which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any other country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue said Letters Patent or Utility Model Registration to the said Assignee, its successor, assigns, nominees, or other legal representatives, as assignee of the entire interest herein assigned. We covenant that we have not executed and will not execute any agreement in conflict herewith and agree that we will communicate to said Assignee, its successors, assigns, nominees, or other legal representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do all lawful acts requisite for the application for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when said Assignee, its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, we will, upon request, sign all lawful papers requisite for the filing of such disclaimer. We further covenant and agree that we will, at any time upon request, do everything legally possible to aid said Assignee, its successors, assigns, nominees, or other legal representatives, either in its or their own names, to apply for, obtain, and enforce proper


patent and/or Utility Model protection for said invention in all countries, all without further consideration but at the expense of said Assignee, its successors, assigns, nominees, or other legal representatives.


 Oct. 29, 2014


Huili (Grace) Xing (signature) Date

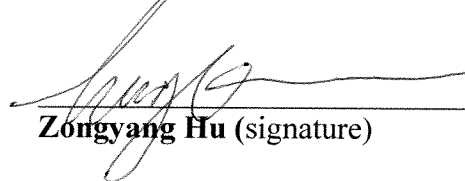
 Oct. 29, 2014

Debdeep Jena (signature) Date

 11/6/2014
Kazuki Nomoto (signature) Date

 11/06/2014
Bo Song (signature) Date

 11/7/2014
Mingda Zhu (signature) Date

 10/31/2014
Zongyang Hu (signature) Date

II. DECLARATION

Inventor 1

As the below named inventor, I hereby declare that:

This Patent Assignment and Declaration is directed to:

_____ the attached application, or

X United States application or PCT international application number

14/470,569 filed on **August 27, 2014**.

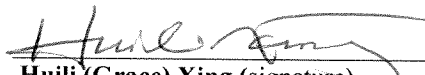
The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims; and I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of October, 2014.


Huili (Grace) Xing (signature)

NOTARIAL CERTIFICATE

State of: Indiana)
County of: St. Joseph) SS.

Subscribed and sworn to (or affirmed) before me on this 30 day of October, 2014, by **Huili (Grace) Xing** proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

WITNESS my hand and official seal.


Notary Public

ELIZABETH KOVACS
NOTARY PUBLIC
ST. JOSEPH COUNTY, IN
COMMISSION EXPIRES
March 20, 2015

Inventor 2

As the below named inventor, I hereby declare that:

This Patent Assignment and Declaration is directed to:

___ the attached application, or

X United States application or PCT international application number

14/470,569 filed on August 27, 2014.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims; and I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of November, 2014.

Debdeep Jena
Debdeep Jena (signature)

NOTARIAL CERTIFICATE

State of: Indiana)
County of: St. Joseph) SS.

Subscribed and sworn to (or affirmed) before me on this 10 day of November, 2014, by **Debdeep Jena** proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

WITNESS my hand and official seal.

Elizabeth Kovacs
Notary Public

ELIZABETH KOVACS
NOTARY PUBLIC
ST. JOSEPH COUNTY, IN
COMMISSION EXPIRES
March 20, 2015

Inventor 3

As the below named inventor, I hereby declare that:

This Patent Assignment and Declaration is directed to:

_____ the attached application, or

X United States application or PCT international application number

14/470,569 filed on **August 27, 2014**.


The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims; and I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known by me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day of Nov., 2014.

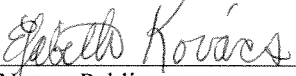

_____ **Kazuki Nomoto** (signature)

NOTARIAL CERTIFICATE

State of: Indiana)
County of: St. Joseph) SS.

Subscribed and sworn to (or affirmed) before me on this 6 day of November, 2014, by **Kazuki Nomoto** proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

WITNESS my hand and official seal.


_____ **Elizabeth Kovacs**
Notary Public

ELIZABETH KOVACS
NOTARY PUBLIC
ST. JOSEPH COUNTY, IN
COMMISSION EXPIRES
March 20, 2015

