

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3992914

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JERAMY D. ZIMMERMAN	03/31/2016
STEPHEN R FORREST	02/24/2016
QUINN BURLINGAME	02/24/2016
XIN XIAO	03/02/2016
KEVIN BERGEMANN	03/01/2016
ANURAG PANDA	02/23/2016
BRIAN LASSITER	02/26/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE REGENTS OF THE UNIVERSITY OF MICHIGAN
<b>Street Address:</b>	OFFICE OF TECHNOLOGY TRANSFER
<b>Internal Address:</b>	1600 HURON PARKWAY, 2ND FLOOR
<b>City:</b>	ANN ARBOR
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48109
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14803643
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)408-4400
<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>	202-408-4000
<b>Email:</b>	lisa.tkach@finnegan.com
<b>Correspondent Name:</b>	FINNEGAN, HENDERSON, FARABOW, GARRETT &
<b>Address Line 1:</b>	901 NEW YORK AVENUE, NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001-4413
<b>ATTORNEY DOCKET NUMBER:</b>	10762.0123-00
<b>NAME OF SUBMITTER:</b>	LISA TKACH
<b>SIGNATURE:</b>	/Lisa Tkach/

<b>DATE SIGNED:</b>	08/04/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 10</b> source=UM_Assignment_Declaration_Zimmerman#page1.tif source=UM_Assignment_Declaration_Zimmerman#page2.tif source=UM_Assignment_Declaration_Zimmerman#page3.tif source=UM_Assignment_Declaration#page1.tif source=UM_Assignment_Declaration#page2.tif source=UM_Assignment_Declaration#page3.tif source=UM_Assignment_Declaration#page4.tif source=UM_Assignment_Declaration#page5.tif source=UM_Assignment_Declaration#page6.tif source=UM_Assignment_Declaration#page7.tif	

**ASSIGNMENT AND DECLARATION AND POWER OF ATTORNEY FOR  
UTILITY OR DESIGN PATENT APPLICATION**

**ASSIGNMENT:**

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of an invention entitled:

**STABLE ORGANIC PHOTOSENSITIVE DEVICES WITH EXCITON-BLOCKING CHARGE CARRIER FILTERS  
UTILIZING HIGH GLASS TRANSITION TEMPERATURE MATERIALS**

filed on July 20, 2015 as United States Application No. 14/803,643 (Confirmation No. 7581); and

WHEREAS, The Regents of the University of Michigan  
a corporation of Michigan

whose post office address is Office of Technology Transfer, 1600 Huron Parkway, 2nd Floor,  
Ann Arbor, Michigan 48109

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No. 14/803,643, filed July 20, 2015) the filing date and application number of said application when known.

**DECLARATION:**

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.



County of \_\_\_\_\_ )  
 \_\_\_\_\_ )  
 \_\_\_\_\_ )  
 State of \_\_\_\_\_ )

ss. Name: Brian Lassiter  
 Address: 271 Shipley Street, Apt. 1  
San Francisco, CA 94107

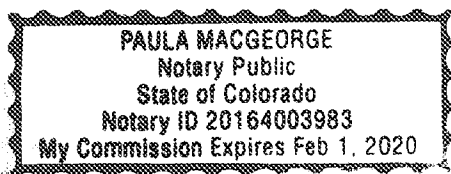
By: \_\_\_\_\_  
 Date: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_  
\_\_\_\_\_, Notary Public

County of Jefferson)  
 )  
 ) ss. Name: Jeremy D. Zimmerman  
 ) Address: 674 Entrada Drive  
 ) Golden, CO 80401  
 )  
 ) State of Colorado)  
 ) By: \_\_\_\_\_  
 ) Date: 3/21/2016

Subscribed and sworn to before me this 31 day of March, 2016

Paul MacGeorge, Notary Public



**ASSIGNMENT AND DECLARATION AND POWER OF ATTORNEY FOR  
UTILITY OR DESIGN PATENT APPLICATION**

**ASSIGNMENT:**

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of an invention entitled:

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UTILIZING HIGH GLASS TRANSITION TEMPERATURE MATERIALS**

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(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No. 14/803,643, filed July 20, 2015) the filing date and application number of said application when known.

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As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

POWER OF ATTORNEY:

I hereby appoint the patent practitioners associated with:

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of Washtenaw )  
 )  
 ) ss. Name: Stephen R. Forrest  
 ) Address: 336 Rock Creek Court  
 ) Ann Arbor, Michigan 48104 USA  
 )  
State of Michigan )  
 )  
 ) By: *Stephen R. Forrest*  
 ) Date: 2/24/16  
Subscribed and sworn to before me this 24<sup>th</sup> day of February, 2016.  
*Erica Marie Ruff* Notary Public. My commission expires 8-14-2018.

County of Washtenaw )  
 )  
 ) ss. Name: Quinn Burlingame  
 ) Address: 1417 Natalie Lane, Apt. 207  
 ) Ann Arbor, Michigan 48105  
 )  
State of Michigan )  
 )  
 ) By: *Quinn C. Burlingame*  
 ) Date: 2/24/16  
Subscribed and sworn to before me this 24<sup>th</sup> day of February, 2016.  
*Erica Marie Ruff* Notary Public. My commission expires 8-14-2018.

County of \_\_\_\_\_ )  
 )  
 ) ss. Name: Xin Xiao  
 ) Address: 3595 Greenbriar Blvd., Apt. 107C  
 ) Ann Arbor, Michigan 48105  
 )  
State of \_\_\_\_\_ )  
 )  
 ) By: \_\_\_\_\_  
 ) Date: \_\_\_\_\_  
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
\_\_\_\_\_, Notary Public.

County of \_\_\_\_\_ )  
 )  
 ) ss. Name: Kevin Bergemann  
 ) Address: 1929 Plymouth Road  
 ) Ann Arbor, Michigan 48106  
 )  
State of \_\_\_\_\_ )  
 )  
 ) By: \_\_\_\_\_  
 ) Date: \_\_\_\_\_  
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
\_\_\_\_\_, Notary Public.





A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of CALIFORNIA  
County of SANTA CLARA

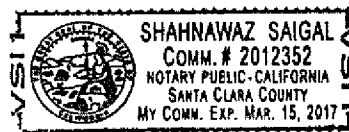
On MARCH 2, 2016 before me, SHAHNAWAZ SAIGAL a Notary Public, personally appeared XIN XIAO, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Shah Nawaz Saigal

Name: SHAHNAWAZ SAIGAL  
(Typed or Printed)



(Seal)

POWER OF ATTORNEY:

I hereby appoint the patent practitioners associated with:

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852  
to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of \_\_\_\_\_ }      Name: Stephen R. Forrest  
                                      }      Address: 336 Rock Creek Court  
                                      }      Ann Arbor, Michigan 48104 USA

State of \_\_\_\_\_ }      By: \_\_\_\_\_  
                                      }      Date: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_, Notary Public.      My commission expires 8-14-2018.

County of \_\_\_\_\_ }      Name: Quinn Burlingame  
                                      }      Address: 1417 Natalie Lane, Apt. 207  
                                      }      Ann Arbor, Michigan 48106

State of \_\_\_\_\_ }      By: \_\_\_\_\_  
                                      }      Date: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_, Notary Public.      My commission expires 8-14-2018.

County of \_\_\_\_\_ }      Name: Xin Xian  
                                      }      Address: 3585 Greenbrier Blvd., Apt. 107C  
                                      }      Ann Arbor, Michigan 48106

State of \_\_\_\_\_ }      By: \_\_\_\_\_  
                                      }      Date: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_, Notary Public.

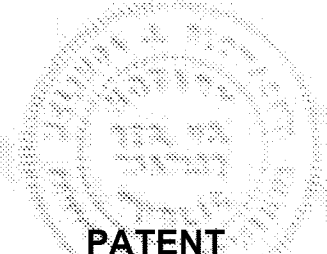
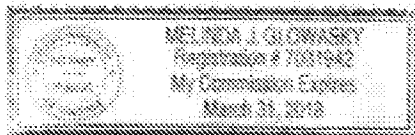
County of FAIRFAX }      Name: Kevin Bergemann  
                                      }      Address: 1829 Plymouth Road  
                                      }      Ann Arbor, Michigan 48106

State of VIRGINIA }      By: Kevin J. Bergemann  
                                      }      Date: 3/1/16

Subscribed and sworn to before me this 1 day of MARCH, 2016

MELINDA GLAVASKY, Notary Public.

*Melinda Glavasky*



County of Washtenaw )

ss. )

Name: Anurag Panda

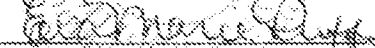
Address: 1877 Lake Lila Lane, Apt. B4  
Ann Arbor, Michigan 48106

State of Michigan )

By: 

Date: 02/23/16

Subscribed and sworn to before me this 23<sup>rd</sup> day of February, 2016

 Notary Public.

My commission expires 8-14-2018.

County of \_\_\_\_\_ )

ss. )

Name: Brian Lassiter

Address: 271 Shipley Street, Apt. 1  
San Francisco, CA 94107

State of \_\_\_\_\_ )

By: \_\_\_\_\_

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

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_, Notary Public.

County of \_\_\_\_\_ )  
                                  )  
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                                  )  
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State of \_\_\_\_\_ )  
                                  )  
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                                  )  
                                  )  
Name: Anurag Panda  
Address: 1877 Lake Lila Lane, Apt. B4  
          Ann Arbor, Michigan 48106  
By: \_\_\_\_\_  
Date: \_\_\_\_\_  
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
\_\_\_\_\_, Notary Public. My commission expires 8-14-2018.

County of Santa Clara )  
                                  )  
                                  )  
                                  )  
                                  )  
State of California )  
                                  )  
                                  )  
                                  )  
                                  )  
                                  )  
Name: Brian Lassiter  
Address: 274 Shipley Street, Apt. 1 1535 Oregon  
          San Francisco, CA 94107 Berkeley, CA 94703  
By: \_\_\_\_\_  
Date: 2/26/2016  
Subscribed and sworn to before me this 26 day of Feb, 202016  
[Signature], Notary Public.

