

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Stephen Forrest</td> <td>07/27/2012</td> </tr> <tr> <td>Jeramy D. Zimmerman</td> <td>07/20/2012</td> </tr> <tr> <td>Christopher Kyle Renshaw</td> <td>07/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Stephen Forrest	07/27/2012	Jeramy D. Zimmerman	07/20/2012	Christopher Kyle Renshaw	07/27/2012				
Name	Execution Date												
Stephen Forrest	07/27/2012												
Jeramy D. Zimmerman	07/20/2012												
Christopher Kyle Renshaw	07/27/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>The Regents of the University of Michigan</td> </tr> <tr> <td>Street Address:</td> <td>University of Michigan Office of Technology Transfer</td> </tr> <tr> <td>Internal Address:</td> <td>1600 Huron Parkway, 2nd Floor, Building 520</td> </tr> <tr> <td>City:</td> <td>Ann Arbor</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48108-2590</td> </tr> </table>		Name:	The Regents of the University of Michigan	Street Address:	University of Michigan Office of Technology Transfer	Internal Address:	1600 Huron Parkway, 2nd Floor, Building 520	City:	Ann Arbor	State/Country:	MICHIGAN	Postal Code:	48108-2590
Name:	The Regents of the University of Michigan												
Street Address:	University of Michigan Office of Technology Transfer												
Internal Address:	1600 Huron Parkway, 2nd Floor, Building 520												
City:	Ann Arbor												
State/Country:	MICHIGAN												
Postal Code:	48108-2590												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13536003</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13536003								
Property Type	Number												
Application Number:	13536003												
CORRESPONDENCE DATA													
<p>Fax Number: 3122910864          Phone: 312-291-0860          Email: jpadalino@lsk-iplaw.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Lempia Summerfield Katz LLC          Address Line 1: One North LaSalle Street          Address Line 2: Suite 2900          Address Line 4: Chicago, ILLINOIS 60602</p>													
ATTORNEY DOCKET NUMBER:	010109-10001A												
NAME OF SUBMITTER:	G. Christopher Braidwood												
Total Attachments: 3 source=UM Assignment#page1.tif source=UM Assignment#page2.tif source=UM Assignment#page3.tif													

CH \$40.00 13536003

ASSIGNMENT

Serial No: 13/536,003

Filed: June 28, 2012

Title: Non-Planar Inorganic Optoelectronic Devices

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to The Regents of the University of Michigan, University of Michigan Office of Technology Transfer, 1600 Huron Parkway, 2<sup>nd</sup> Floor, Building 520, Ann Arbor, MI 48109-2590 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, executed by the undersigned on, 07/20/2012; 07/27/2012 and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned hereby authorize and request that the attorneys of record in said application insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said

Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said letters patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands this

27<sup>th</sup> day of July, 2012.

State of Michigan  
County of Washtenaw

Stephen Forrest  
Stephen Forrest

On this 27<sup>th</sup> day of July, 2012, before me, a Notary Public in and for the County and State aforesaid, Stephen Forrest appeared, to me personally known to be the same person whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

8-14-2018

Eva Marie Puff  
Notary Public

WITNESS our hands this

20<sup>th</sup> day of July, 2012.

State of Michigan  
County of Washtenaw

Jeremy D. Zimmerman  
Jeremy D. Zimmerman

On this 20<sup>th</sup> day of July, 2012, before me, a Notary Public in and for the County and State aforesaid, Jeremy D. Zimmerman appeared, to me personally known to be the same person whose names are subscribed to the foregoing instrument, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

8-14-2018

Eva Marie Puff  
Notary Public

WITNESS our hands this

27 day of July, 2012.

State of Michigan

County of Washtenaw

C. Kyle Renshaw  
Christopher Kyle Renshaw

On this 27<sup>th</sup> day of July, 2012, before me, a  
Notary Public in and for the County and State aforesaid, Christopher Kyle Renshaw appeared, to me personally  
known to be the same person whose names are subscribed to the foregoing instrument, and acknowledged that  
they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

8-14-2018

Eva Marie Rigg  
Notary Public

