

## PATENT ASSIGNMENT

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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>Ling Zang</td> <td>02/22/2013</td> </tr> <tr> <td>Yanke Che</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ling Zang	02/22/2013	Yanke Che	03/14/2013				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>University of Utah</td> </tr> <tr> <td>Street Address:</td> <td>201 S. Presidents Circle</td> </tr> <tr> <td>City:</td> <td>Salt Lake City</td> </tr> <tr> <td>State/Country:</td> <td>UTAH</td> </tr> <tr> <td>Postal Code:</td> <td>84112</td> </tr> </table>		Name:	University of Utah	Street Address:	201 S. Presidents Circle	City:	Salt Lake City	State/Country:	UTAH	Postal Code:	84112
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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>13806538</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13806538						
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CORRESPONDENCE DATA											
<p>Fax Number: 8015660750  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 801-566-6633        Email: andrea.phillips@tnw.com        Correspondent Name: Erik S. Ericksen        Address Line 1: 8180 S. 700 E., Suite 350        Address Line 4: SANDY, UTAH 84070</p>											
ATTORNEY DOCKET NUMBER:	00846-U4881.PT.US										
NAME OF SUBMITTER:	Erik S. Ericksen										
Signature:	/eriksericksen/										
Date:	06/21/2013										

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Total Attachments: 4

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WHEN RECORDED RETURN TO:  
Erik S. Ericksen, M.S.  
Thorpe North & Western, LLP  
P.O. Box 1219  
Sandy, UT 84091-1219

Docket No. 00846-U4881.PCT.US

## ASSIGNMENT

WHEREAS, we, Ling Zang (resident of the State of Utah, whose postal mailing address is 2349 Logan Circle, Salt Lake City, UT 84108), Yanke Che (resident of the State of Utah whose postal mailing address is 3975 South 855 East, Apt A, Salt Lake City, Utah 84107), (hereinafter "Assignors") have invented a certain new and useful improvement in a **FLUORESCENT CARBAZOLE OLIGOMERS NANOFIBRIL MATERIALS FOR VAPOR SENSING** for which an application for United States Letters Patent is being filed concurrently herewith OR which was filed on December 21, 2012 as THORPE NORTH & WESTERN, LLP Docket No. 00846-U4881.PCT.US, and given U.S. Patent Application Serial No.13/806,538; and:

WHEREAS, University of Utah, an institute of higher education and a non-profit organization, organized and existing under the laws of the State of Utah having a business address of 201 S. Presidents Circle, Salt Lake City, Utah 84112, (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable consideration paid to us by the Assignee, the receipt and sufficiency whereof is hereby acknowledged, we the said Assignors, hereby grant and assign unto the said Assignee, our entire right, title and interest in said invention and in all patent applications based thereon, including but not limited to the above identified United States Patent Application and in all provisionals, divisions, continuations, and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries; the right, power and authority to file and prosecute U.S. and foreign patent

applications on said invention, and to do so in its own name wherever such right may be legally exercised, and including the right to claim the priority and benefits of the International Convention for such applications; and the right to bring actions for infringement of any right in said invention in its own name, including past infringement, in any jurisdiction.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all Letters Patent on said invention to the said Assignee as the owner of our entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following: prompt execution of all original, divisional, substitution, reissue, and other United States and foreign patent applications on said invention, and all lawful documents as requested by the Assignee to further the prosecution of any of such patent applications; and cooperation to the best of our ability including, but not limited to, the execution of all lawful documents, the production of evidence in any actions or proceedings concerning the invention, including, but not limited to, nullification, reissue, extension, and infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

Executed this 22 day of February, 2013 at Salt Lake City, UT  
(place)

[Signature]  
Ling Zang

STATE OF Utah )  
County of Salt Lake ) : SS

Before me personally appeared Ling Zang and acknowledged the foregoing instrument to be his free act and deed this 22 day of February, 2013.



[Signature]  
Notary Public

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ at \_\_\_\_\_  
(place)

\_\_\_\_\_  
Yanke Che

STATE OF \_\_\_\_\_ )  
County of \_\_\_\_\_ ) : SS

Before me personally appeared Yanke Che and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

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

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2013 at \_\_\_\_\_  
(place)

Ling Zang

STATE OF \_\_\_\_\_ )  
: ss  
County of \_\_\_\_\_ )

Before me personally appeared Ling Zang and acknowledged the foregoing instrument to be his free act and deed this \_\_ day of \_\_\_\_\_, 2013.

Notary Public

Executed this 14 day of March, 2013 at Beijing  
(place)

Yanke Che

Before me personally appeared Yanke Che and acknowledged the foregoing instrument to be his free act and deed this 14 day of March 2013.

IN WITNESS whereof, Yanke Che signed the foregoing instrument before me on this 14 day of March, 2013.

Witness Signature: Hongwei Ji  
Printed name: Hongwei Ji  
Address: Zhongguancun North 2  
Beijing, China, 100190

Witness Signature: Xibin Pang  
Printed name: Xibin Pang  
Address: Zhongguancun North 2  
Beijing, China, 100190