

## 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>Robert Blick</td> <td>07/26/2012</td> </tr> <tr> <td>Luke Mawst</td> <td>07/25/2012</td> </tr> </tbody> </table>		Name	Execution Date	Robert Blick	07/26/2012	Luke Mawst	07/25/2012
Name	Execution Date						
Robert Blick	07/26/2012						
Luke Mawst	07/25/2012						
RECEIVING PARTY DATA							
Name:	Wisconsin Alumni Research Foundation						
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State/Country:	WISCONSIN						
Postal Code:	53726						
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>13467217</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13467217		
Property Type	Number						
Application Number:	13467217						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Amy Kruse						
<p>Total Attachments: 3          source=P08124US01 - Assignment - 2012-08-02#page1.tif          source=P08124US01 - Assignment - 2012-08-02#page2.tif          source=P08124US01 - Assignment - 2012-08-02#page3.tif</p>							

CH \$40.00 13467217

ASSIGNMENT  
(Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional or utility United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
SEMICONDUCTOR MICROTUBE LASERS			
PAT	UNITED STATES	13/467217	May 9, 2012

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional and utility applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P08124US01  
Wisconsin Alumni Research Foundation

ASSIGNMENT  
Wisconsin Alumni Research Foundation  
Ref: P08124US01  
App.#: 13/467217, Filed: May 9, 2012

Inventor: Robert A. Blick Date: 7/26/12

Robert Blick  
1206 Edgehill Drive  
Madison, WI 53705

State of Wisconsin )  
                                  )ss.  
County of Dane     )

On this 26 day of July, 2012 before me personally appeared Robert Blick, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

Melodie Stranberg Aes  
Notary Public

My Commission expires: 1.5.14

ASSIGNMENT  
Wisconsin Alumni Research Foundation  
Ref: P08124US01  
App.#: 13/467217, Filed: May 9, 2012

Inventor: Luke Mawst

Date: July 25, 2012

Luke Mawst  
1007 Fountain Drive  
Sun Prairie, WI 53590

State of Wisconsin )  
                                  )ss.  
County of Dane        )

On this 25 day of July, 2012 before me personally appeared Luke Mawst, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL

[Signature]  
Notary Public  
My Commission expires: 1/5/2014

