PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ryan Enck	02/24/2010

RECEIVING PARTY DATA

Name:	Thorlabs Quantum Electronics, Inc.	
Street Address:	435 Route 206 North	
City:	Newton	
State/Country:	NEW JERSEY	
Postal Code:	07860	

PROPERTY NUMBERS Total: 1

	Property Type	Number
Application	on Number:	12103088

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 3797-14 (TQE 1475A)

NAME OF SUBMITTER: Harris A. Wolin

Total Attachments: 2

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OP \$40.00 1210308

PATENT REEL: 024004 FRAME: 0251

Attorney Docket: 3797-14 (TQE 1475A)

ASSIGNMENT

WHEREAS, the below named inventor(s), ASSIGNOR, has made a certain new and useful invention in a SEMICONDUCTOR OPTICAL AMPLIFIER HAVING A NON-UNIFORM INJECTION CURRENT DENSITY, for which an application: is being filed concurrently herewith, or was filed on April 15, 2008, as U.S. Application Number 12/103,088. WHEREAS, Thorlabs Quantum Electronics, Inc., having an address at 435 Route 206 North, Newton, NJ 07860, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application. NOW, THEREFORE, in consideration of the sum of One Dollar (\$1,00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries. Full name of first inventor: Simarjeet S. Saini Inventor's Signature: _____ Date: _____ Residence: Columbia Square, MD Citizenship: India Post Office Address: 6110 Good Hunters Ride, Columbia Square, MD 21045

Inventor's Signature: _____ Date: _____

Post Office Address: 512 Education Way , Reisterstown, MD 21136

Residence: Reisterstown, MD Citizenship: United States

Full name of joint inventor: ______Jerry L. Bowser___

PATENT REEL: 024004 FRAME: 0252

Full name of joint inventor: Vincent K. Luciani		
Inventor's Signature:	Date:	
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Post Office Address: 6151 Challedon Circle, Mount Airy, M		
Full name of joint inventor: Peter J.S. Heim		
Inventor's Signature:	Date:	***************************************
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Full name of joint inventor: <u>Mario Dagenais</u> Inventor's Signature:	Cotos	
Residence: Chevy Chase, MD		
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Endingering of Joint Industry / Owns Ends		
van neuve er boure areason. Wast cong	************************************	J.
Inventor's Signature:	Date: 💆	24/2010
Full name of joint inventor:	yee	24/2070 United States

PATENT REEL: 024004 FRAME: 0253

RECORDED: 03/01/2010