

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VIJAYSEKHAR JAYARAMAN	10/03/2018
KEVIN LASCOLA	09/17/2018
STEPHEN SEGAL	09/17/2018
FREDRICK TOWNER	09/17/2018
ALEX CABLE	09/19/2018
RECEIVING PARTY DATA	
Name:	THORLABS, INC.
Street Address:	56 SPARTA AVENUE
City:	NEWTON
State/Country:	NEW JERSEY
Postal Code:	07860
Name:	PRAEVIUM RESEARCH, INC.
Street Address:	5330 DEBBIE ROAD
Internal Address:	SUITE 100
City:	SANTA BARBARA
State/Country:	CALIFORNIA
Postal Code:	93111
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16037850
CORRESPONDENCE DATA	
Fax Number:	(866)864-3947
<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>	
Phone:	973-828-1318
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Correspondent Name:	HARRIS A. WOLIN
Address Line 1:	MYERS WOLIN, LLC
Address Line 2:	100 HEADQUARTERS PLAZA
Address Line 4:	MORRISTOWN, NEW JERSEY 07960-6834

PATENT

ATTORNEY DOCKET NUMBER:	THOR 7347
NAME OF SUBMITTER:	HARRIS A. WOLIN
SIGNATURE:	/Harris A. Wolin/
DATE SIGNED:	10/22/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=thor_7347_20181019_dec_assign#page1.tif source=thor_7347_20181019_dec_assign#page2.tif source=thor_7347_20181019_dec_assign#page3.tif source=thor_7347_20181019_dec_assign#page4.tif	

**DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATIONS**

As a below named inventor (designated as "the undersigned"), I hereby declare that:

This declaration is directed to the application attached hereto and entitled **MID-INFRARED VERTICAL CAVITY LASER**. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Address all correspondence to **CUSTOMER NUMBER 61650**.

ASSIGNMENT

WHEREAS, Thorlabs, Inc., having an address at 56 Sparta Avenue, Newton, NJ 07860 and Praevium Research, Inc., having an address at 5330 Debbie Road, Suite 100, Santa Barbara, CA, 93111 (hereinafter "ASSIGNEES"), is desirous of acquiring the entire right, title and interest in, to and under the above identified application and invention, and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEES, 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;

The undersigned 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 ASSIGNEES, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

The undersigned 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.

The undersigned further covenants and agrees that he will communicate to the said ASSIGNEES, 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 ASSIGNEES, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The undersigned hereby grants the law firm of **Myers Wolin, LLC** the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Full name of first inventor: Vijaysekhar Jayaraman

Inventor's Signature: [Signature] Date: 10/3/18

Residence: Goleta, CA

Post Office Address: c/o Praevium Research, Inc., 5330 Debbie Road, Suite 100, Santa Barbara, CA 93111.

Full name of joint inventor: Kevin Lascola

Inventor's Signature: _____ Date: _____

Residence: Columbia, MD

Post Office Address: c/o Thoriabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Full name of joint inventor: Stephen Segal

Inventor's Signature: _____ Date: _____

Residence: Columbia, MD

Post Office Address: c/o Thoriabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Full name of joint inventor: Fredrick Towner

Inventor's Signature: _____ Date: _____

Residence: Fulton, MD

Post Office Address: c/o Thoriabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Full name of joint inventor: Alex Cable

Inventor's Signature: _____ Date: _____

Residence: Newton, NJ

Post Office Address: c/o Thoriabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

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Residence: Goleta, CA

Post Office Address: c/o Praevium Research, Inc., 5330 Debbie Road, Suite 100, Santa Barbara, CA 93111

Full name of joint inventor: Kevin Lascola

Inventor's Signature: [Signature] Date: 9/17/18

Residence: Columbia, MD

Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Full name of joint inventor: Stephen Segal

Inventor's Signature: [Signature] Date: SEP. 17, 2018

Residence: Columbia, MD

Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Full name of joint inventor: Fredrick Towner

Inventor's Signature: [Signature] Date: September 17, 2018

Residence: Fulton, MD

Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Full name of joint inventor: Alex Cable

Inventor's Signature: _____ Date: _____

Residence: Newton, NJ

Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

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Full name of joint inventor: Fredrick Towner

Inventor's Signature: _____ Date: _____

Residence: Fulton, MD

Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Full name of joint inventor: Alex Cable

Inventor's Signature:  Date: 9/19/18

Residence: Newton, NJ

Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860