

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2831922

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIJAYSEKHAR JAYARAMAN	03/17/2014
CHRISTOPHER BURGNER	03/17/2014
DEMIS JOHN	03/17/2014
PETER HEIM	03/18/2014
ALEX EZRA CABLE	04/01/2014

RECEIVING PARTY DATA

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City:	SANTA BARBARA
State/Country:	CALIFORNIA
Postal Code:	93111
Name:	THORLABS, INC.
Street Address:	56 SPARTA AVENUE
City:	NEWTON
State/Country:	NEW JERSEY
Postal Code:	07860

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14214201

CORRESPONDENCE DATA

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PATENT

ATTORNEY DOCKET NUMBER:	3797-12 (THOR 4254)
NAME OF SUBMITTER:	HARRIS A. WOLIN
SIGNATURE:	/Harris A. Wolin/
DATE SIGNED:	04/28/2014
Total Attachments: 4 source=3797_12_thor4254_20140402_dec_assign#page1.tif source=3797_12_thor4254_20140402_dec_assign#page2.tif source=3797_12_thor4254_20140402_dec_assign#page3.tif source=3797_12_thor4254_20140402_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 **WIDELY TUNABLE SWEEP SOURCE**. 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 61624**.

ASSIGNMENT

WHEREAS, **Praevium Research, Inc.**, having an address at 5385 Hollister Avenue, #211, Building 8, Office 16, Santa Barbara, CA 93111, and **Thorlabs, Inc.**, having an address at 56 Sparta Avenue, Newton, NJ 07860, (hereinafter "ASSIGNEES"), are 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.

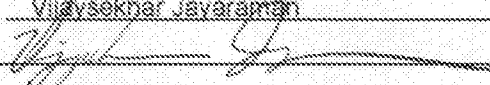
The undersigned covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith.


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 Graham Curtin, P.A., 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 inventor: Vijaysekhar Jayaraman
 Inventor's Signature:  Date: 3/17/14
 Residence: Goleta, CA
 Post Office Address: c/o Praevium Research, Inc., 5266 Hollister Ave, Suite 224, Santa Barbara, CA
93111

Full name of inventor: Christopher Burgner
 Inventor's Signature:  Date: 3/17/14
 Residence: Santa Barbara, CA
 Post Office Address: c/o Praevium Research, Inc., 5266 Hollister Ave, Suite 224, Santa Barbara, CA
93111

Full name of inventor: Demis John
 Inventor's Signature:  Date: 3/17/14
 Residence: Goleta, CA
 Post Office Address: c/o Praevium Research, Inc., 5266 Hollister Ave, Suite 224, Santa Barbara, CA
93111

Full name of inventor: Alex Ezra Cable
 Inventor's Signature: _____ Date: _____
 Residence: Newton, NJ
 Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

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 Graham Curtin, P.A., 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 inventor: Vijaysekhar Jayaraman
Inventor's Signature: _____ Date: _____
Residence: Goleta, CA
Post Office Address: c/o Praevium Research, Inc., 5385 Hollister Ave. #211, Building 8, Office 16,
Santa Barbara CA 93111

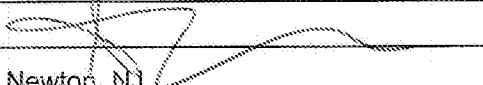
Full name of inventor: Christopher Burgner
Inventor's Signature: _____ Date: _____
Residence: Santa Barbara, CA
Post Office Address: c/o Praevium Research, Inc., 5385 Hollister Ave. #211, Building 8, Office 16,
Santa Barbara CA 93111

Full name of inventor: Demis John
Inventor's Signature: _____ Date: _____
Residence: Goleta, CA
Post Office Address: c/o Praevium Research, Inc., 5385 Hollister Ave. #211, Building 8, Office 16,
Santa Barbara CA 93111

Full name of inventor: Peter Heim
Inventor's Signature: *Peter Heim* Date: 3/18/2014
Residence: Jessup MD Washington DC
Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860

Customer Number 61624

Attorney Docket: 3797-12 (THOR 4254)

Full name of inventor: Alex Ezra Cable
Inventor's Signature:  Date: 4/1/14
Residence: Newton, NJ
Post Office Address: c/o Thorlabs, Inc., 56 Sparta Avenue, Newton, NJ 07860