

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Alexander Kachanov</td> <td>11/09/2012</td> </tr> <tr> <td>Serguei Koulikov</td> <td>11/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Alexander Kachanov	11/09/2012	Serguei Koulikov	11/09/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>LI-COR, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>4647 Superior Street</td> </tr> <tr> <td>City:</td> <td>Lincoln</td> </tr> <tr> <td>State/Country:</td> <td>NEBRASKA</td> </tr> <tr> <td>Postal Code:</td> <td>68504</td> </tr> </table>		Name:	LI-COR, Inc.	Street Address:	4647 Superior Street	City:	Lincoln	State/Country:	NEBRASKA	Postal Code:	68504
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CORRESPONDENCE DATA											
<p>Fax Number: 3126165700  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 312-616-5600        Email: assignments@leydig.com        Correspondent Name: Leydig, Voit &amp; Mayer (Walnut Creek)        Address Line 1: Two Prudential Plaza, Suite 4900        Address Line 2: 180 N. Stetson        Address Line 4: Chicago, ILLINOIS 60601</p>											
ATTORNEY DOCKET NUMBER:	510276 (015100US)										
NAME OF SUBMITTER:	Kimberly Heldt										
<p>Total Attachments: 2        source=2012_11_09_Assignment_510276_015100US#page1.tif        source=2012_11_09_Assignment_510276_015100US#page2.tif</p>											

CH \$40.00 13667995

**PATENT**

Attorney Docket No. 510276 (015100US)

Client Reference No. 015100US

Leydig, Voit & Mayer, Ltd.  
Two Prudential Plaza  
Suite 4900  
Chicago, Illinois 60601-6731

**ASSIGNMENT**

**WHEREAS, WE**, Alexander Kachanov of San Jose, California, and Serguei Koulikov of Mountain View, California, respectively, have invented and own a certain invention entitled:

**CAVITY ENHANCED LASER BASED GAS ANALYZER  
SYSTEMS AND METHODS**

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on November 2, 2012, under U.S. Application No. 13/667,995, and

**WHEREAS**, LI-COR, Inc., of 4647 Superior Street, Lincoln, Nebraska 68504, hereinafter referred to as Assignee, is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

**NOW, THEREFORE**, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

**WE HEREBY AUTHORIZE** the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

**UPON SAID CONSIDERATION**, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

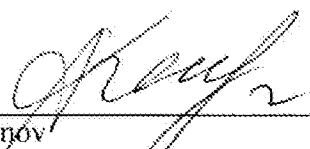
**WE DO HEREBY COVENANT** and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do

In re Appln. of Alexander Kachanov et al.  
Attorney Docket No. 510276 (015100US)

such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date 11/09/2012

  
\_\_\_\_\_  
Alexander Kachanov

Date 11/09/2012

  
\_\_\_\_\_  
Serguei Koulikov