

## 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>Anatoly N. Verenchikov</td> <td>06/25/2013</td> </tr> <tr> <td>Vasily Makarov</td> <td>06/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Anatoly N. Verenchikov	06/25/2013	Vasily Makarov	06/25/2013				
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Vasily Makarov	06/25/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>LECO Corporation</td> </tr> <tr> <td>Street Address:</td> <td>3000 Lakeview Avenue</td> </tr> <tr> <td>City:</td> <td>Kalamazoo</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>49085</td> </tr> </table>		Name:	LECO Corporation	Street Address:	3000 Lakeview Avenue	City:	Kalamazoo	State/Country:	MICHIGAN	Postal Code:	49085
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2013046279</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2013046279						
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CORRESPONDENCE DATA											
<p>Fax Number: 2693377894  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2693377700        Email: mguyman@honigman.com        Correspondent Name: Jonathan P. O'Brien, Ph.D.        Address Line 1: 350 East Michigan Avenue, Suite 300        Address Line 4: Kalamazoo, MICHIGAN 49007</p>											
ATTORNEY DOCKET NUMBER:	223322-P1022WO-342529										
NAME OF SUBMITTER:	Michele Guyman										
Signature:	/Michele Guyman/										
Date:	07/12/2013										

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**Total Attachments: 5**

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**ASSIGNMENT**

We,

- (1) Anatoly N. Verenchikov, of St. Petersburg, RUSSIAN FEDERATION, and
- (2) Vasily Makarov, of St. Petersburg, RUSSIAN FEDERATION,

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, by virtue of our agreement with LECO Corporation and do hereby assign, sell and transfer to, LECO Corporation, a corporation organized and existing under the laws of the State of Michigan and having an office and a place of business at 3000 Lakeview Avenue, St. Joseph, MI 49085, its successors and assigns, all hereinafter referred to as the ASSIGNEE:

(1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all of my/our inventions, and discoveries disclosed in:

(a) the application for United States Letters Patent entitled: TANDEM TIME-OF-FLIGHT MASS SPECTROMETRY WITH NON-UNIFORM SAMPLING, and filed in the United States Patent and Trademark Office on \_\_\_\_\_, under Application Number \_\_\_\_\_<sup>1</sup>, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or

(b) the International Patent Application entitled: TANDEM TIME-OF-FLIGHT MASS SPECTROMETRY WITH NON-UNIFORM SAMPLING, filed under the Patent Cooperation Treaty in the United States Receiving Office on June 18, 2013, under Application No. PCT/US2013/046279, and designating all countries, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;

(2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the election of the ASSIGNEE or its designee, on the aforesaid inventions, discoveries and applications in the United States and in any other country of the world;

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<sup>1</sup> We authorize and request ASSIGNEE to insert the filing date and/or application number of said application when known.

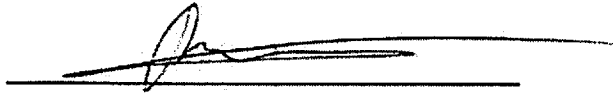
(3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world, and in and to any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof; and

(4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications, and all rights of priority in any country of the world deriving from the above-identified International Patent Application.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.



(1) Anatoly N. Verenchikov

Date: 25 Jun 2013

IN WITNESS WHEREOF

Signature of witness: (1) 

Printed name of Witness: Gazy Khasin

this 25 day of June, 2013.

Signature of witness: (2) 

Printed name of Witness: Aleksey Vorobyev

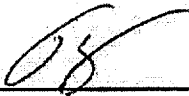
this 25 day of June, 2013



(2) Vasily Makarov


Date: 25.06.2013

IN WITNESS WHEREOF

Signature of witness: (1) 

Printed name of Witness: Mikhail Peskov

this 25 day of June, 2013.

Signature of witness: (2) 

Printed name of Witness: SERGEY FIRONOV

this 25 day of June, 2013.

ACKNOWLEDGMENT OF ASSIGNEE

By [Signature]  
Michael Mason  
Vice President, Research and Development  
LECO Corporation

Date: 6-26-2013

STATE OF MICHIGAN )  
COUNTY OF BERRIEN ) SS.

On this 26th day of June, 2013, before me, the undersigned notary public, personally appeared Michael Mason, proved to me through satisfactory evidence of identification which was/were:  personal knowledge of identity,  a driver's license,  other (please identify) \_\_\_\_\_, to be the person whose name is signed on this document, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

[Signature]  
Notary Public, Rebecca K. Phillips  
My Commission Expires: 3/15/2018  
Acting in Berrien County, Michigan

