

## 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>David RAFFERTY</td> <td>08/05/2013</td> </tr> <tr> <td>Brian OLIVER</td> <td>08/15/2013</td> </tr> <tr> <td>Darron BLACK</td> <td>08/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	David RAFFERTY	08/05/2013	Brian OLIVER	08/15/2013	Darron BLACK	08/20/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>1st Detect Corporation</td> </tr> <tr> <td>Street Address:</td> <td>401 Congress Avenue, Suite 1650</td> </tr> <tr> <td>City:</td> <td>Austin</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>78701</td> </tr> </table>		Name:	1st Detect Corporation	Street Address:	401 Congress Avenue, Suite 1650	City:	Austin	State/Country:	TEXAS	Postal Code:	78701
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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>Application Number:</td> <td>13794751</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13794751						
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CORRESPONDENCE DATA											
<p>Fax Number: 2024084400  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-408-4000        Email: regional-desk@finnegan.com        Correspondent Name: FINNEGAN, HENDERSON, FARABOW, GARRETT &amp;        Address Line 1: 901 NEW YORK AVENUE, NW        Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20001-4413</p>											
ATTORNEY DOCKET NUMBER:	12187.0020-00000										
NAME OF SUBMITTER:	Timothy J. May										
Signature:	/Timothy J. May/										
Date:	09/17/2013										
<p>Total Attachments: 2        source=Assignment#page1.tif        source=Assignment#page2.tif</p>											

OP \$40.00 13794751

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

**SYSTEMS AND METHODS FOR ADJUSTING A MASS SPECTROMETER OUTPUT**

for which I/We filed an application for United States Letters Patent on March 11, 2013 (Application No. 13/794,751, Confirmation No. 7738); and

WHEREAS, 1<sup>st</sup> Detect Corporation, a corporation of Texas whose post office address is 401 Congress Avenue, Suite 1650, Austin, TX 78701 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. \_\_\_\_\_, filed \_\_\_\_\_ (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

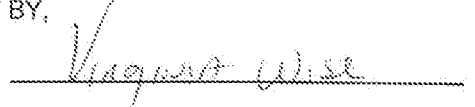
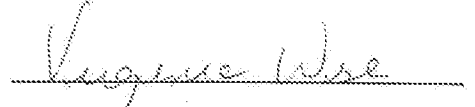
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 13/794,751, filed March 11, 2013) the filing date and application number of said application when known.

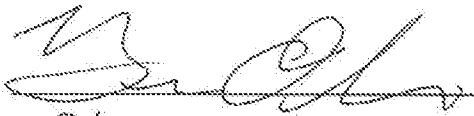
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

Name: David RAFFERTY  
Address: 3019 Shady Lane  
Webster, TX 77598


Signature:   
Date: 8/5/2013

WITNESSED BY,  
Name:   
(Printed)  
Signature:   
Date: 8/5/13

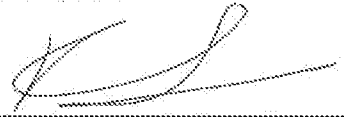
Name: Brian OLIVER  
Address: 405 Stonewall Drive  
League City, TX 77573

Signature:   
Date: 8/15/13

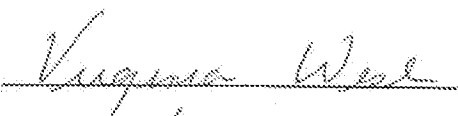
WITNESSED BY,

Name: Michael Spencer  
(Printed)  
Signature:   
Date: 8/15/13

Name: Darron BLACK  
Address: 34 Windsor Court  
Houston, TX 77055

Signature:   
Date: 8/20/13

WITNESSED BY,

Name: Virginia Wike  
(Printed)  
Signature:   
Date: 8/20/13