

## PATENT ASSIGNMENT COVER SHEET

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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>RUAN HATTINGH</td> <td>10/10/2013</td> </tr> <tr> <td>NEIL BIRD</td> <td>10/11/2013</td> </tr> <tr> <td>PAUL NEAL</td> <td>10/11/2013</td> </tr> <tr> <td>OLIVIER MOTEAU</td> <td>10/24/2013</td> </tr> </tbody> </table>		Name	Execution Date	RUAN HATTINGH	10/10/2013	NEIL BIRD	10/11/2013	PAUL NEAL	10/11/2013	OLIVIER MOTEAU	10/24/2013
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RUAN HATTINGH	10/10/2013										
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PAUL NEAL	10/11/2013										
OLIVIER MOTEAU	10/24/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>THERMO ELECTRON MANUFACTURING LIMITED</td> </tr> <tr> <td>Street Address:</td> <td>SOLAAR HOUSE, 19 MERCERS ROW</td> </tr> <tr> <td>City:</td> <td>CAMBRIDGE</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>CB5 8BZ</td> </tr> </table>		Name:	THERMO ELECTRON MANUFACTURING LIMITED	Street Address:	SOLAAR HOUSE, 19 MERCERS ROW	City:	CAMBRIDGE	State/Country:	UNITED KINGDOM	Postal Code:	CB5 8BZ
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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>14163622</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14163622						
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CORRESPONDENCE DATA											
<p>Fax Number: (408)965-6010</p> <p>Phone: 408-965-6000</p> <p>Email: ussjo.ip@thermofisher.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: THERMO FINNIGAN LLC</p> <p>Address Line 1: 355 RIVER OAKS PARKWAY</p> <p>Address Line 2: IP DEPT</p> <p>Address Line 4: SAN JOSE, CALIFORNIA 95134</p>											
ATTORNEY DOCKET NUMBER:	17206US2/NAT										
NAME OF SUBMITTER:	GAIL WARDWELL										

Signature:	/Gail Wardwell/
Date:	01/24/2014
<b>Total Attachments: 8</b> source=17206US2-NAT ASG#page1.tif source=17206US2-NAT ASG#page2.tif source=17206US2-NAT ASG#page3.tif source=17206US2-NAT ASG#page4.tif source=17206US2-NAT ASG#page5.tif source=17206US2-NAT ASG#page6.tif source=17206US2-NAT ASG#page7.tif source=17206US2-NAT ASG#page8.tif	

## ASSIGNMENT

WHEREAS I, Ruan HATTINGH of c/o Thermo Electron Manufacturing Limited, Solaar House, 19 Mercers Row, Cambridge CB5 8BZ, Cambridgeshire, United Kingdom, have invented certain new and useful improvements, entitled APPARATUS AND METHOD FOR LIQUID SAMPLE INTRODUCTION for which invention I have executed an application for Letters Patent in the United States that was filed on Jan 24, 2014 with the U.S. Patent and Trademark Office as Serial No. 14/163,622 which discloses and identifies the invention.

Whereas, THERMO ELECTRON MANUFACTURING LIMITED, a limited liability company formed in the United Kingdom, having a place of business at SOLAAR House, 19 Mercers Row, Cambridge CB5 8BZ, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, I hereby sell, assign, and set over unto the assignee and said assignee's successors, assigns, and designees, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above-mentioned assignee.

I hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, I convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of said United States application (or other application if any there be) in priority to other applications; and I do hereby covenant and agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will at any time upon request, at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, continuation, continuation-in-part, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such application or patents, and by executing preliminary 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 both parties. I hereby agree that the transfer of rights made by this instrument is effective as of the filing date of the application written above.

IN WITNESS WHEREOF, I hereto set my hand and seal



Ruan HATTINGH

Date: 10.10.2013

P. Smith MSc CEng.

Witness Signature

Name: PAUL SMITH

Address: "SUNNYSIDE"

MAIN RD,  
BROOKVILLE,  
NORFOLK  
IP26 4RB  
ENGLAND.



Witness Signature

Name: CRAIG FELLOWS

Address: 223 THE SYCAMORES

MILTON  
CAMBRIDGE  
CB24 62D. UK.

ASSIGNMENT

WHEREAS I, Neil BIRD of c/o Thermo Electron Manufacturing Limited, Solaar House, 19 Mercers Row, Cambridge CB5 8BZ, Cambridgeshire, United Kingdom, have invented certain new and useful improvements, entitled APPARATUS AND METHOD FOR LIQUID SAMPLE INTRODUCTION for which invention I have executed an application for Letters Patent in the United States that was filed on Jan 24, 2014 with the U.S. Patent and Trademark Office as Serial No. 14/163,622 which discloses and identifies the invention.

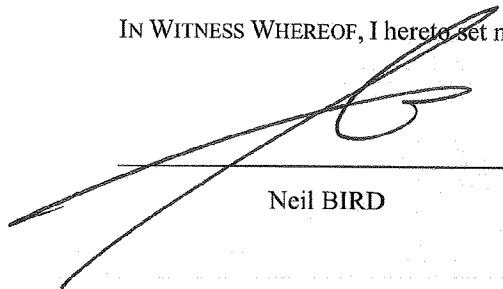
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Now, therefore, for good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, I hereby sell, assign, and set over unto the assignee and said assignee's successors, assigns, and designees, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above-mentioned assignee.

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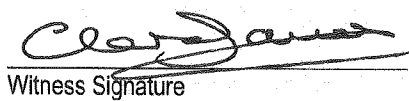
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IN WITNESS WHEREOF, I hereto set my hand and seal



Neil BIRD

Date: 11th October 13



Witness Signature

Name: DR CLARE DAVIES

Address: 17 PRIMROSE VIEW  
ROYSTON SG8 9TP



Witness Signature

Name: W. HARRIS

Address: 3 ARLETT'S HILL  
COWLING CB8 9RG

ASSIGNMENT

WHEREAS I, Paul NEAL of c/o Thermo Electron Manufacturing Limited, Solaar House, 19 Mercers Row, Cambridge CB5 8BZ, Cambridgeshire, United Kingdom, have invented certain new and useful improvements, entitled APPARATUS AND METHOD FOR LIQUID SAMPLE INTRODUCTION for which invention I have executed an application for Letters Patent in the United States that was filed on Jan 24, 2014 with the U.S. Patent and Trademark Office as Serial No. 14/163,622 which discloses and identifies the invention.

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IN WITNESS WHEREOF, I hereto set my hand and seal

Paul Neal

Paul NEAL

Date: 11th October 2013

[Signature]

Witness Signature

Name: ROGER CHAKSON

Address: THERMO FISHER  
19 MERCERS Row  
CAMBRIDGE CB5 8BZ

[Signature]

Witness Signature

Name: Sophie Bouat

Address: Thermo Fisher  
19 Mercers Row  
Cambridge CB5 8BZ



## ASSIGNMENT

WHEREAS I, Olivier MOTEAU of c/o Thermo Electron Manufacturing Limited, Solaar House, 19 Mercers Row, Cambridge CB5 8BZ, Cambridgeshire, United Kingdom, have invented certain new and useful improvements, entitled APPARATUS AND METHOD FOR LIQUID SAMPLE INTRODUCTION for which invention I have executed an application for Letters Patent in the United States that was filed on Jan 24, 2014 with the U.S. Patent and Trademark Office as Serial No. 14/163,622 which discloses and identifies the invention.

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IN WITNESS WHEREOF, I hereto set my hand and seal

  
Olivier MOTEAU

Date: 24/10/13

  
Witness Signature  
Name: S. Boval  
Address: 6 Stakepiece Road  
Roxton SG8 9DN

  
Witness Signature  
Name: ULF STRUCKMEIER  
Address: 59 HOWARD CLOSE  
CAMBRIDGE CB5 8QU