

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5141635

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PIERRE LAURENT EMOND	03/16/2017
NANCY GAIL PERLMUTTER	03/16/2017
JAMES WILLIS KREIDER	03/16/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADVANCED INSTRUMENTS, LLC.
<b>Street Address:</b>	TWO TECHNOLOGY WAY
<b>City:</b>	NORWOOD
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02062
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16085194
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)816-4100
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	703-816-4000
<b>Email:</b>	PTOMAIL@nixonvan.com
<b>Correspondent Name:</b>	NIXON & VANDERHYE, PC
<b>Address Line 1:</b>	901 NORTH GLEBE ROAD, 11TH FLOOR
<b>Address Line 4:</b>	ARLINGTON, VIRGINIA 22203
<b>ATTORNEY DOCKET NUMBER:</b>	BHD-5169-93
<b>NAME OF SUBMITTER:</b>	BRYAN H. DAVIDSON
<b>SIGNATURE:</b>	/Bryan H. Davidson/
<b>DATE SIGNED:</b>	09/14/2018
<b>Total Attachments: 9</b>	
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## ASSIGNMENT

This Assignment is made by:

Pierre Laurent Emond ("Assignor") having a current address at: 18 Thistle Drive, Amherst, NH 03031 USA ("Assignor"),

and

Advanced Instruments, <sup>LLC</sup> Inc. ("Assignee"), having a principle place of business at Two Technology Way, Norwood, MA 02062 USA.

WHEREAS, Assignor is a named inventor to an invention(s) or parts thereof (the "Invention") described in the following applications for patent entitled "Detection of Microorganisms in a Liquid Sample", naming Pierre Laurent Emond, Nancy Gail Perlmutter, and James Willis Kreider as inventor(s):

**EP 16160837, filed 17 March 2016**

WHEREAS, Assignee is desirous of acquiring all right, title, and interest in and to the Invention;

WHEREAS, the Assignor and Assignee desire to have a recordable instrument assigning Assignor's entire right, title and interest in and to the Invention, the applications and any Letters Patent that may be granted for the Invention throughout the world, to Assignee;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to Assignee, its successors and assigns, Assignor's entire right, title, and interest in and to:

- (i) the Invention;
- (ii) the applications and any divisions, continuations, continuations-in-part, re-examinations, re-issues, extensions, and any application based in whole or in part thereon (the "Applications"); and,
- (iii) any Letters Patent that may be granted for the Invention throughout the world, including re-issues based on opposition and any Letters Patent based in whole or in part on the Applications;

with the right to file foreign applications directly in the name of the Assignee, and, Assignor further assigns: (i) Assignor's right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise, and, (ii) the right to pursue any provisional rights and the right to sue for past infringement.

Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, Assignor and Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers, the making of oaths, the participation in interference proceedings, and the giving of testimony, that may be necessary or desirable

IN WITNESS WHEREOF, Assignee has executed this Assignment in an act of acceptance of the Assignment of the Invention, on the date provided below.

Assignee: Advanced Instruments, Inc. LLC

Signature John J. Coughlin Date 10-3-2017

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_  
personally appeared \_\_\_\_\_,  
proved to me through satisfactory evidence of \_\_\_\_\_  
\_\_\_\_\_ to be the person whose name is subscribed to within the  
instrument, and acknowledged to me that s/he executed the same in her/his authorized  
capacity, and that by her/his signature on the instrument the person, or the entity upon  
behalf of which the person acted, executed the instrument.

WITNESS by hand and official seal.

\_\_\_\_\_  
(Signature of Notary)


for obtaining, sustaining, reissuing, and/or enforcing Letters Patent in the United States and throughout the world for the Invention, the Applications, and any Letters Patent granted for the Invention throughout the world.

Assignor represents and warrants that Assignor has not granted and will not grant to others any rights inconsistent with the rights granted by Assignor herein.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States and all foreign countries to issue any Letters Patent granted for the Invention, whether on the Applications or on any subsequently filed divisional, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in the Invention.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date provided below.

Assignor: Pierre Laurent Emond


16 MAR 17  
 \_\_\_\_\_  
 Signature Date

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_ personally appeared Pierre Laurent Emond, proved to me through satisfactory evidence of \_\_\_\_\_ to be the person whose name is subscribed to within the instrument, and acknowledged to me that s/he executed the same in her/his authorized capacity, and that by her/his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS by hand and official seal.

\_\_\_\_\_  
(Signature of Notary)



ASSIGNMENT

This Assignment is made by:

Nancy Gail Perlmutter ("Assignor") having a current address at:  
6 Hill Top Road, Wellesley MA 02482 ("Assignor"),

and

Advanced Instruments, LLC. ("Assignee"), having a principle place of business at  
Two Technology Way, Norwood, MA 02062 USA.

WHEREAS, Assignor is a named inventor to an invention(s) or parts thereof (the  
"Invention") described in the following applications for patent entitled "Detection of  
Microorganisms in a Liquid Sample", naming Pierre Laurent Emond, Nancy Gail  
Perlmutter, and James Willis Kreider as inventor(s):

EP 16160837, filed 17 March 2016

WHEREAS, Assignee is desirous of acquiring all right, title, and interest in and to  
the Invention;

WHEREAS, the Assignor and Assignee desire to have a recordable instrument  
assigning Assignor's entire right, title and interest in and to the Invention, the  
applications and any Letters Patent that may be granted for the Invention throughout the  
world, to Assignee;

NOW, THEREFORE, for good and valuable consideration, the receipt and  
sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to  
Assignee, its successors and assigns, Assignor's entire right, title, and interest in and to:

- (i) the Invention;
- (ii) the applications and any divisions, continuations, continuations-in-part, re-examinations, re-issues, extensions, and any application based in whole or in part thereon (the "Applications"); and,
- (iii) any Letters Patent that may be granted for the Invention throughout the world, including re-issues based on opposition and any Letters Patent based in whole or in part on the Applications;

with the right to file foreign applications directly in the name of the Assignee, and,  
Assignor further assigns: (i) Assignor's right to claim for any such foreign applications  
any priority rights to which such applications are entitled under international conventions,  
treaties, or otherwise, and, (ii) the right to pursue any provisional rights and the right to  
sue for past infringement.

Assignor agrees that, upon request and without further compensation, but at no  
expense to Assignor, Assignor and Assignor's legal representatives and assigns will do  
all lawful acts, including the execution of papers, the making of oaths, the participation in  
interference proceedings, and the giving of testimony, that may be necessary or desirable



IN WITNESS WHEREOF, Assignee has executed this Assignment in an act of acceptance of the Assignment of the Invention, on the date provided below.

Assignee: Advanced Instruments, LLC.

John J. Cagnoli      16-3-2017  
Signature                                  Date

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_  
personally appeared \_\_\_\_\_,  
proved to me through satisfactory evidence of \_\_\_\_\_  
\_\_\_\_\_ to be the person whose name is subscribed to within the  
instrument, and acknowledged to me that s/he executed the same in her/his authorized  
capacity, and that by her/his signature on the instrument the person, or the entity upon  
behalf of which the person acted, executed the instrument.

WITNESS by hand and official seal.

\_\_\_\_\_  
(Signature of Notary)



## ASSIGNMENT

This Assignment is made by:

James Willis Kreider ("Assignor") having a current address at:  
26 LENOX RD, NEWTON, MA 02458 ("Assignor"),

and

Advanced Instruments, LLC. ("Assignee"), having a principle place of business at  
Two Technology Way, Norwood, MA 02062 USA.

WHEREAS, Assignor is a named inventor to an invention(s) or parts thereof (the  
"Invention") described in the following applications for patent entitled "Detection of  
Microorganisms in a Liquid Sample", naming Pierre Laurent Emond, Nancy Gail  
Perlmutter, and James Willis Kreider as inventor(s):

**EP 16160837, filed 17 March 2016**

WHEREAS, Assignee is desirous of acquiring all right, title, and interest in and to  
the Invention;

WHEREAS, the Assignor and Assignee desire to have a recordable instrument  
assigning Assignor's entire right, title and interest in and to the Invention, the  
applications and any Letters Patent that may be granted for the Invention throughout the  
world, to Assignee;

NOW, THEREFORE, for good and valuable consideration, the receipt and  
sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to  
Assignee, its successors and assigns, Assignor's entire right, title, and interest in and to:

- (i) the Invention;
- (ii) the applications and any divisions, continuations, continuations-in-part, re-examinations, re-issues, extensions, and any application based in whole or in part thereon (the "Applications"); and,
- (iii) any Letters Patent that may be granted for the Invention throughout the world, including re-issues based on opposition and any Letters Patent based in whole or in part on the Applications;

with the right to file foreign applications directly in the name of the Assignee, and,  
Assignor further assigns: (i) Assignor's right to claim for any such foreign applications  
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sue for past infringement.

Assignor agrees that, upon request and without further compensation, but at no  
expense to Assignor, Assignor and Assignor's legal representatives and assigns will do  
all lawful acts, including the execution of papers, the making of oaths, the participation in  
interference proceedings, and the giving of testimony, that may be necessary or desirable



IN WITNESS WHEREOF, Assignee has executed this Assignment in an act of acceptance of the Assignment of the Invention, on the date provided below.

Assignee: Advanced Instruments, LLC.

John J. Caughlin      10-3-2017  
Signature                                      Date

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_  
personally appeared \_\_\_\_\_  
proved to me through satisfactory evidence of \_\_\_\_\_  
\_\_\_\_\_ to be the person whose name is subscribed to within the  
instrument, and acknowledged to me that s/he executed the same in her/his authorized  
capacity, and that by her/his signature on the instrument the person, or the entity upon  
behalf of which the person acted, executed the instrument.

WITNESS by hand and official seal.

\_\_\_\_\_  
(Signature of Notary)