

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4932583

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the STATE OF THE ASSIGNEE FROM CALIFORNIA TO NEW JERSEY previously recorded on Reel 045065 Frame 0537. Assignor(s) hereby confirms the ASSIGNMENT OF ASSIGNORS INTEREST.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAMEZ EMILE NECOLA SHEHADA	09/26/2017
OLIVER CRESPO-DIAZ	09/22/2017
PAUL LIMB	02/27/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BECTON, DICKINSON AND COMPANY
<b>Street Address:</b>	1 BECTON DRIVE
<b>City:</b>	FRANKLIN LAKES
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07417
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15300034
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
<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>	8587074000
<b>Email:</b>	efiling@knobbe.com
<b>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR LLP
<b>Address Line 1:</b>	2040 MAIN STREET
<b>Address Line 2:</b>	14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	BDPHA.007NP
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER M. DILEO
<b>SIGNATURE:</b>	/christopher m dileo/
<b>DATE SIGNED:</b>	04/25/2018
<b>Total Attachments: 7</b>	

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<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAMEZ EMILE NECOLA SHEHADA	09/26/2017
OLIVER CRESPO-DIAZ	09/22/2017
PAUL LIMB	02/27/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BECTON, DICKINSON AND COMPANY
<b>Street Address:</b>	1 BECTON DRIVE
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<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	07417
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15300034
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
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<b>Email:</b>	efiling@knobbe.com
<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>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR LLP
<b>Address Line 1:</b>	2040 MAIN STREET
<b>Address Line 2:</b>	14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	BDPHA.007NP
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER M. DILEO
<b>Signature:</b>	/christopher m dileo/
<b>Date:</b>	02/28/2018

PATENT

REEL: 046017 FRAME: 0990

	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 5</b> source=BDPHA.007NP-DEC-ASSIGN#page1.tif source=BDPHA.007NP-DEC-ASSIGN#page2.tif source=BDPHA.007NP-DEC-ASSIGN#page3.tif source=BDPHA.007NP-DEC-ASSIGN#page4.tif source=BDPHA.007NP-DEC-ASSIGN#page5.tif	
<b>RECEIPT INFORMATION</b>  <b>EPAS ID:</b> PAT4844800 <b>Receipt Date:</b> 02/28/2018	

PATENT

REEL: 046017 FRAME: 0991

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: BDPHA.007WO and BDPHA.007NP

Page 1 of 5

Title: REAGENT CALIBRATION SYSTEM AND METHOD

Inventors: Ramez Emile Necola Shehada, Oliver Crespo-Diaz, and Paul Limb

***Declaration***

This Declaration is directed to the applications identified above that:

Were filed **February 5, 2015** and **September 28, 2016** (respectively) as International Application No. **PCT/US2015/014681** and U.S. Application No. **15/300,034** (respectively) and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified applications were made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the applications.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified applications, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

***Assignment from Inventors***

WHEREAS, **above-identified inventors** (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled applications (collectively hereinafter referred to as the "Work") for which applications for Letters Patent in the United States (identified above) have been prepared for filing with the United States Patent and Trademark Office and the PCT receiving Office (hereinafter the "Applications").

AND WHEREAS, **Becton, Dickinson and Company**, with its principal place of business at 1 Becton Drive, Franklin Lakes, NJ 07417 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Applications and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Applications and the Work, including all Patent Properties filed or issued upon the Applications and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. **61/979,300**, filed **April 14, 2014**);

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Applications, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))***Application Data Sheet filed previously or concurrently*

Docket No.: BDPHA.007WO and BDPHA.007NP

Page 2 of 5

Title: REAGENT CALIBRATION SYSTEM AND METHOD

Inventors: Ramez Emile Necola Shehada, Oliver Crespo-Diaz, and Paul Limb

all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned Patent Properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Applications and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Applications and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: BDPHA.007WO and BDPHA.007NP

Page 3 of 5

Title: REAGENT CALIBRATION SYSTEM AND METHOD

Inventors: Ramez Emile Necola Shehada, Oliver Crespo-Diaz, and Paul Limb

**Legal Name of inventor:** Ramez Emile Necola Shehada

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 26<sup>th</sup> day of September, 2017.

Signature: \_\_\_\_\_

*Ramez Shehada*

*Signature before a Notary is desirable but not required.*

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF \_\_\_\_\_

} ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally appeared Ramez Emile Necola Shehada who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))***Application Data Sheet filed previously or concurrently*

Docket No.: BDPHA.007WO and BDPHA.007NP

Page 4 of 5

Title: REAGENT CALIBRATION SYSTEM AND METHOD

Inventors: Ramez Emile Necola Shehada, Oliver Crespo-Diaz, and Paul Limb

Legal Name of inventor: Oliver Crespo-Diaz

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of September, 2017.

Signature: \_\_\_\_\_

*Signature before a Notary is desirable but not required.*

A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE  
VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE  
DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE  
TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.

STATE OF CALIFORNIA

COUNTY OF \_\_\_\_\_

} ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally  
appeared Oliver Crespo-Diaz who proved to me on the basis of satisfactory evidence to be the person(s)  
whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they  
executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the  
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature



**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))**

*Application Data Sheet filed previously or concurrently*

Docket No.: BDPHA.007WO and BDPHA.007NP

Page 5 of 5

Title: REAGENT CALIBRATION SYSTEM AND METHOD

Inventors: Ramez Emile Necola Shehada, Oliver Crespo-Diaz, and Paul Limb

**Legal Name of inventor:** Paul Limb

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of Feburary,  
2018.

Signature: Paul Limb

***Signature before a Notary is desirable but not required.***

**A NOTARY PUBLIC OR OTHER OFFICER COMPLETING THIS CERTIFICATE  
VERIFIES ONLY THE IDENTITY OF THE INDIVIDUAL WHO SIGNED THE  
DOCUMENT TO WHICH THIS CERTIFICATE IS ATTACHED, AND NOT THE  
TRUTHFULNESS, ACCURACY, OR VALIDITY OF THAT DOCUMENT.**

**STATE OF CALIFORNIA** }  
COUNTY OF \_\_\_\_\_ } ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, notary public, personally  
appeared Paul Limb who proved to me on the basis of satisfactory evidence to be the person(s) whose  
name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed  
the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

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