

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6725050

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN VOLCKENS	09/30/2019
ELLISON CARTER	11/08/2019
CASEY WILLIAM QUINN	09/25/2019
DAVID LEITH	09/30/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COLORADO STATE UNIVERSITY RESEARCH FOUNDATION
<b>Street Address:</b>	P.O. BOX 483
<b>City:</b>	FORT COLLINS
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80522
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17057256
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)766-1600
<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>	612-766-7000
<b>Email:</b>	kristine.stefano@faegredrinker.com
<b>Correspondent Name:</b>	KRISTINE STEFANO
<b>Address Line 1:</b>	90 SOUTH SEVENTH STREET
<b>Address Line 2:</b>	2200 WELLS FARGO CENTER
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	462293.000083
<b>NAME OF SUBMITTER:</b>	KRISTINE STEFANO
<b>SIGNATURE:</b>	/Kristine Stefano/
<b>DATE SIGNED:</b>	05/24/2021
<b>Total Attachments: 12</b>	
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<b>ASSIGNMENT</b>	Attorney Docket No.: 462293.000069	Page 1 of 4
	First Named Inventor: John Volckens	
	Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES	

WHEREAS, we, **John Volckens**, a United States citizen, residing at 126 S. Whitcomb St., Fort Collins, CO 80521, **Ellison Carter**, a United States citizen, residing at 1612 Briarcliff Rd., Fort Collins, CO 80524, **Casey William Quinn**, a United States citizen residing at 227 Central Street NE, Olympia, WA 98506, and **David Leith**, a United States citizen residing at 1601 Halifax Road, Chapel Hill, NC 27514 (hereinafter the "Assignors"), have invented certain new and useful inventions as found in the International application ("the Application") detailed below, which claims priority to U.S. Provisional Application No. 62/675,735, filed May 23, 2018, and U.S. Provisional Application No. 62/675,736, filed May 23, 2018:

International Patent Application No. PCT/US2019/033850  
Filing Date: May 23, 2019  
Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES

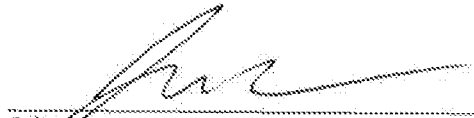
WHEREAS, Colorado State University Research Foundation, a Nonprofit Corporation of the state of Colorado, and having an address of P. O. Box 483, Fort Collins, CO 80522 United States of America ("Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the Application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration or per employment agreement, the receipt and adequacy of which are hereby acknowledged, we (the Assignor), by obligation of employment agreement or otherwise as required as of the date of filing the provisional applications referenced above, transfer to the Assignee, its successors and assigns, our entire right, title, and interest in and to the inventions, the Application, corresponding domestic applications (including original, non-provisional, divisional, continuation, and continuations-in-part, reexamination, or reissue patent or application), all corresponding foreign applications, all Letters Patent or similar legal protection issuing thereon, all rights to claim priority to the Application and the provisional patent applications listed above, and all rights and benefits under any applicable treaty or convention; and we (the Assignor) authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument any additional filing date and application number related to the Application named above when ascertained. We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection for a domestic application, in its own name if desired, and in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, or our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

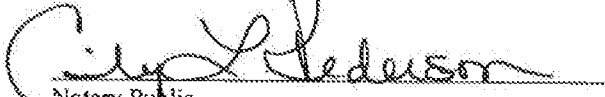
<b>ASSIGNMENT</b>	Attorney Docket No.: 462293.000069	Page 2 of 4
	First Named Inventor: John Volckens	
	Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES	

  
 \_\_\_\_\_  
 John Volckens  
 Date 30 Sep 19

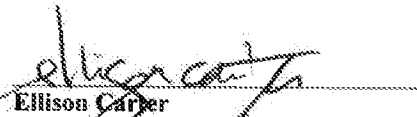
**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF COLORADO )  
 : SS.  
 COUNTY OF Larimer )

Subscribed and sworn to before me, a Notary Public,  
 this 30<sup>th</sup> day of September, 2019.

  
 \_\_\_\_\_  
 Notary Public  
 (SEAL)

CINDY L. PEDERSON  
 NOTARY PUBLIC  
 STATE OF COLORADO  
 NOTARY ID 19934009218  
 MY COMMISSION EXPIRES JULY 2, 2021

  
 \_\_\_\_\_  
 Ellison Carter  
 Date 11/8/2019

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF Colorado )  
 : SS.  
 COUNTY OF Larimer )

Subscribed and sworn to before me, a Notary Public,  
 this 8<sup>th</sup> day of November, 2019.

  
 \_\_\_\_\_  
 Notary Public  
 (SEAL)

CARIN M HERMANN  
 Notary Public  
 State of Colorado  
 Notary ID # 20094035588  
 My Commission Expires 11-08-2021

# ASSIGNMENT

Attorney Docket No.: 462293.000069

Page 3 of 4

First Named Inventor: John Volckens

Title: SAMPLING DEVICE FOR EXPOSURE  
MEASUREMENT OF PARTICLES AND GASES

Casey William Quinn

Date \_\_\_\_\_

## CERTIFICATE OF ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
  : SS.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public,  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Notary Public

(SEAL)

David Leith

Date \_\_\_\_\_

## CERTIFICATE OF ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
  : SS.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public,  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Notary Public

(SEAL)

<b>ASSIGNMENT</b>	Attorney Docket No.: 462293.000069	Page 4 of 4
	First Named Inventor: John Volckens	
	Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES	

**ACCEPTANCE OF ASSIGNMENT BY ASSIGNEE**

This Assignment is accepted by the Assignee, Colorado State University Research Foundation, evidenced by the following signature from an authorized representative of the Assignee:

Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

Professional Capacity / Position \_\_\_\_\_

Date \_\_\_\_\_

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )  
: SS.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public, this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Notary Public  
(SEAL)

<b>ASSIGNMENT</b>	Attorney Docket No.: 462293.000069	Page 1 of 4
	First Named Inventor: John Volckens	
	Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES	

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Filing Date: May 23, 2019  
Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES

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NOW, THEREFORE, for good and valuable consideration or per employment agreement, the receipt and adequacy of which are hereby acknowledged, we (the Assignor), by obligation of employment agreement or otherwise as required as of the date of filing the provisional applications referenced above, transfer to the Assignee, its successors and assigns, our entire right, title, and interest in and to the inventions, the Application, corresponding domestic applications (including original, non-provisional, divisional, continuation, and continuations-in-part, reexamination, or reissue patent or application), all corresponding foreign applications, all Letters Patent or similar legal protection issuing thereon, all rights to claim priority to the Application and the provisional patent applications listed above, and all rights and benefits under any applicable treaty or convention; and we (the Assignor) authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument any additional filing date and application number related to the Application named above when ascertained. We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection for a domestic application, in its own name if desired, and in any and all foreign countries.

I represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, or our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

**ASSIGNMENT**

Attorney Docket No.: 462293.000069

Page 2 of 4

First Named Inventor: John Volckens

Title: **SAMPLING DEVICE FOR EXPOSURE  
MEASUREMENT OF PARTICLES AND GASES**

John Volckens

Date \_\_\_\_\_

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )  
: SS.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public,  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Notary Public  
(SEAL)

Elison Carter

Date \_\_\_\_\_

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )  
: SS.  
COUNTY OF \_\_\_\_\_ )

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\_\_\_\_\_  
Notary Public  
(SEAL)





**ASSIGNMENT**

Attorney Docket No.: 462293.000069

Page 4 of 4

First Named Inventor: John Volckens

Title: SAMPLING DEVICE FOR EXPOSURE  
MEASUREMENT OF PARTICLES AND GASES

**ACCEPTANCE OF ASSIGNMENT BY ASSIGNEE**

This Assignment is accepted by the Assignee, Colorado State University Research Foundation,  
evidenced by the following signature from an authorized representative of the Assignee:

Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

Professional Capacity / Position \_\_\_\_\_

Date \_\_\_\_\_

**CERTIFICATE OF ACKNOWLEDGMENT**

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

: SS.

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

Subscribed and sworn to before me, a Notary  
Public,  
this \_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Notary Public

(SEAL)

# ASSIGNMENT

Attorney Docket No.: 462293.000069

Page 1 of 4

First Named Inventor: John Volckens

Title: SAMPLING DEVICE FOR EXPOSURE  
MEASUREMENT OF PARTICLES AND GASES

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I represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, or our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

**ASSIGNMENT**

Attorney Docket No.: 462293.000069

Page 2 of 4

First Named Inventor: John Volckens

Title: SAMPLING DEVICE FOR EXPOSURE  
MEASUREMENT OF PARTICLES AND GASES

.....  
John Volckens

Date .....

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )  
: SS.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public,  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

.....  
Notary Public

(SEAL)

.....  
Ellison Carter

Date .....

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )  
: SS.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public,  
this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

.....  
Notary Public

(SEAL)

# ASSIGNMENT

First Named Inventor: John Volckens

Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES

Casey William Quinn

Date \_\_\_\_\_

### CERTIFICATE OF ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )  
: SS.  
COUNTY OF \_\_\_\_\_ )

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this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

Notary Public  
(SEAL)

*David Leith*

David Leith

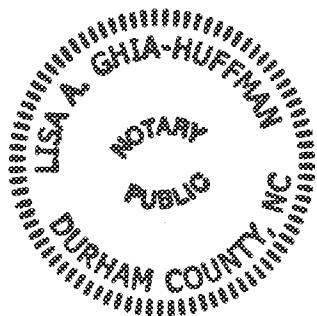
Date 9/30/19

### CERTIFICATE OF ACKNOWLEDGMENT

STATE OF North Carolina )  
: SS.  
COUNTY OF Orange )

Subscribed and sworn to before me, a Notary Public,  
this 30<sup>th</sup> day of September, 2019.

*Lisa A. Ghia-Huffman*  
Notary Public  
(SEAL)



<b>ASSIGNMENT</b>	Attorney Docket No.: 462293.000069	Page 4 of 4
	First Named Inventor: John Volckens	
	Title: SAMPLING DEVICE FOR EXPOSURE MEASUREMENT OF PARTICLES AND GASES	

ACCEPTANCE OF ASSIGNMENT BY ASSIGNEE

This Assignment is accepted by the Assignee, Colorado State University Research Foundation, evidenced by the following signature from an authorized representative of the Assignee:

Signature: *Cindy L. Pederson*  
 Printed Name: Cindy L. Pederson  
 Professional Capacity / Position: Patent Manager  
 Date: November 8, 2019

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF Colorado )  
 : SS.  
 COUNTY OF Larimer )

Subscribed and sworn to before me, a Notary Public, this 8<sup>th</sup> day of November, 2019.

*Carin M Hermann*  
 Notary Public  
 (SEAL)

CARIN M HERMANN  
 Notary Public  
 State of Colorado  
 Notary ID # 20094036588  
 My Commission Expires 11-08-2021