

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5470670

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DUSTIN YOUNG	09/13/2018
MARK CHMIELEWSKI	09/13/2018
CHRIS MORTON	09/13/2018
MICHAEL SIERS	09/12/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VIRTUAL FLUID MONITORING SERVICES, LLC
<b>Street Address:</b>	12 ASPHODEL AVENUE
<b>City:</b>	HOUMA
<b>State/Country:</b>	LOUISIANA
<b>Postal Code:</b>	70360
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16232879
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	504-585-0490
<b>Email:</b>	jason.mueller@arlaw.com
<b>Correspondent Name:</b>	ADAMS AND REESE, LLP
<b>Address Line 1:</b>	ONE SHELL SQUARE
<b>Address Line 2:</b>	701 POYDRAS STREET, SUITE 4500
<b>Address Line 4:</b>	NEW ORLEANS, LOUISIANA 70139
<b>ATTORNEY DOCKET NUMBER:</b>	24549-32DIV
<b>NAME OF SUBMITTER:</b>	JASON P. MUELLER
<b>SIGNATURE:</b>	/Jason P. Mueller/
<b>DATE SIGNED:</b>	04/11/2019
<b>Total Attachments: 6</b>	
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# ORIGINAL ASSIGNMENT

For valuable consideration, I

<u>Dustin Young</u>	of	Residence Address:	437 Opelousas Avenue New Orleans, LA 70114 USA
<u>Mark Chmielewski</u>	of	Residence Address:	3305 Troy Brett Trail Duluth, MN 55803 USA
<u>Chris Morton</u>	of	Residence Address:	530 North 124th Avenue East Duluth, MN 55812 USA
<u>Michael Siers</u>	of	Residence Address:	7742 East Briar Lake Drive Duluth, MN 55803 USA
<u>Scott Rudder</u>	of	Residence Address:	4250 U.S. Highway 1, Suite 1 Monmouth Junction, NJ USA

the below signed joint inventors of record, hereby assign to

## VIRTUAL FLUID MONITORING SERVICES, LLC

a corporation having an address at

12 Asphodel Avenue  
Houma, LA 70360  
US

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by me entitled

### "FLUID ANALYSIS AND MONITORING USING OPTICAL SPECTROSCOPY"

Application Number: 15/997,612

Date of Filing: June 4, 2018

This assignment includes said application, any and all United States and foreign patents, utility models, design registrations, inventor's certificates and other similar rights granted for any of said inventions or improvements, and the right to claim priority, including U.S. Provisional Patent Application Nos. 62/598,912; 62/596,708, 62/569,384, 62/514,572 based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. I hereby authorize the Assignee to apply in all countries in my name, or in its own name, for patents, utility models, design registrations and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assignees, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

<u>                                </u>	<u>Dustin Young</u>	<u>                    </u>	<u>                    </u>
Signature of Inventor	Typed Name	Date of Signature	Place of Signature City, Country


BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Dustin Young, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

Notary Public Signature

Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

	<u>Mark Chmielewski</u>	<u>9/13/2019</u>	<u>Wichita, KS USA</u>
Signature of Inventor	Typed Name	Date of Signature	Place of Signature City, Country

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Mark Chmielewski, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

Notary Public Signature

Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

Chris Morton  
Signature of Inventor

Chris Morton  
Typed Name

9/13/13  
Date of Signature

Duluth, MN, USA  
Place of Signature  
City, Country

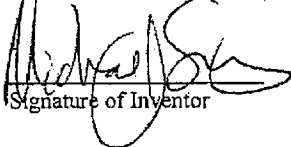
BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Chris Morton, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

Notary Public Signature

Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

  
Signature of Inventor

Michael Siers  
Typed Name

09/12/2018  
Date of Signature

Duluth, MN US  
Place of Signature  
City, Country

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Michael Siers, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

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

\_\_\_\_\_  
Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

\_\_\_\_\_  
Signature of Inventor

Scott Rudder  
Typed Name

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Place of Signature  
City, Country

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Scott Rudder, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

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

\_\_\_\_\_  
Printed Name of Notary Public

## ORIGINAL ASSIGNMENT

For valuable consideration, I

<u>Dustin Young</u>	of	Residence Address:	2116 County Road 1314 Blanchard, OK 73010 USA
<u>Mark Chmielewski</u>	of	Residence Address:	3305 Troy Brett Trail Duluth, MN 55803 USA
<u>Chris Morton</u>	of	Residence Address:	530 North 124th Avenue East Duluth, MN 55812 USA
<u>Michael Siers</u>	of	Residence Address:	7742 East Briar Lake Drive Duluth, MN 55803 USA
<u>Scott Rudder</u>	of	Residence Address:	10 Coventry Lane Hopewell, NJ 08525 USA

the below signed joint inventors of record, hereby assign to

### VIRTUAL FLUID MONITORING SERVICES, LLC

a corporation having an address at

12 Asphodel Avenue  
Houma, LA 70360  
US

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by me entitled

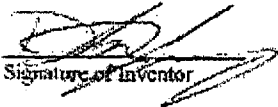
### "FLUID ANALYSIS AND MONITORING USING OPTICAL SPECTROSCOPY"

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This assignment includes said application, any and all United States and foreign patents, utility models, design registrations, inventor's certificates and other similar rights granted for any of said inventions or improvements, and the right to claim priority, including U.S. Provisional Patent Application Nos. 62/598,912; 62/596,708, 62/569,384, 62/514,572 based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. I hereby authorize the Assignee to apply in all countries in my name, or in its own name, for patents, utility models, design registrations and like rights of exclusion and for inventor's certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assignees, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

  
Signature of Inventor

Dustin Young  
Typed Name

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Place of Signature  
City, Country

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Dustin Young, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

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

\_\_\_\_\_  
Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

\_\_\_\_\_  
Signature of Inventor

Mark Chmielewski  
Typed Name

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Place of Signature  
City, Country

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Mark Chmielewski, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

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

\_\_\_\_\_  
Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

\_\_\_\_\_  
Signature of Inventor

Chris Morton  
Typed Name

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Place of Signature  
City, Country

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Chris Morton, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

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

\_\_\_\_\_  
Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

_____ Signature of Inventor	<u>Michael Siers</u> Typed Name	_____ Date of Signature	_____ Place of Signature City, Country
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BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Michael Siers, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

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

\_\_\_\_\_  
Printed Name of Notary Public

IN WITNESS WHEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

 Signature of Inventor	<u>Scott Rudder</u> Typed Name	<u>9/24/18</u> Date of Signature	<u>Monmouth Ind. USA</u> Place of Signature City, Country
--	-----------------------------------	-------------------------------------	---

BEFORE ME, the undersigned authority, on the day and year above specified, personally appeared Scott Rudder, known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged to me that he executed the instrument of his own free will and for the purposes and consideration therein expressed.

Notary Public [SEAL]

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

\_\_\_\_\_  
Printed Name of Notary Public