505423879 04/11/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

EPAS ID: PAT5470670

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DUSTIN YOUNG	09/13/2018
MARK CHMIELEWSKI	09/13/2018
CHRIS MORTON	09/13/2018
MICHAEL SIERS	09/12/2018

RECEIVING PARTY DATA

Name:	VIRTUAL FLUID MONITORING SERVICES, LLC
Street Address:	12 ASPHODEL AVENUE
City:	HOUMA
State/Country:	LOUISIANA
Postal Code:	70360

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16232879

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 504-585-0490

Email: jason.mueller@arlaw.com
Correspondent Name: ADAMS AND REESE, LLP
Address Line 1: ONE SHELL SQUARE

Address Line 2: 701 POYDRAS STREET, SUITE 4500 Address Line 4: NEW ORLEANS, LOUISIANA 70139

ATTORNEY DOCKET NUMBER:	24549-32DIV
NAME OF SUBMITTER:	JASON P. MUELLER
SIGNATURE:	/Jason P. Mueller/
DATE SIGNED:	04/11/2019

Total Attachments: 6

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PATENT 505423879 REEL: 048864 FRAME: 0371



PATENT REEL: 048864 FRAME: 0372

ORIGINAL ASSIGNMENT

For valuable consideration, I			
Dustin Young	of	Residence Address:	437 Opelousas Avenue New Orleans, LA 70114 USA
Mark Chmielewski	of	Residence Address:	3305 Troy Brett Trail Duluth, MN 55803 USA
Chris Morton	of	Residence Address:	530 North 124th Avenue East Duluth, MN 55812 USA
Michael Siers	of	Residence Address:	7742 East Briar Lake Drive Duluth, MN 55803 USA
Scott Rudder	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

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.

1

PATENT

REEL: 048864 FRAME: 0373

	Dustin Young		
Signature of Inventor	Typed Name	Date of Signature	Place of Signature City, Country
	e person whose name is sub-	scribed to the foregoing As	fied, personally appeared <u>Dustin</u> ssignment, and acknowledged to sideration therein expressed.
Notary Public [SEAL]		Notary Public Signatu	ıre
		Printed Name of Nota	ry Public
IN WITNESS WHEREOF, I		signature and place of signature $\frac{9}{13}$	ature as indicated below. Solvedo, Mr USA
Signature of Inventor	Mark Chmielewski Typed Name	Date of Signature	Place of Signature City, Country
Chmielewski, known to m	e to be the person whose	name is subscribed to t	fied, personally appeared Mark the foregoing Assignment, and the purposes and consideration
Notary Public [SEAL]		Notary Public Signatu	ıre
		Printed Name of Nota	ry Public
IN WITNESS WHEREOF, I	hereby set my hand, date of s	signature and place of signa	ature as indicated below.
Signature of Inventor	Chris Morton Typed Name	9/13/13 Date of Signature	Place of Signature City, Country
	he person whose name is sub	scribed to the foregoing A	fied, personally appeared <u>Chris</u> ssignment, and acknowledged to
Notary Public [SEAL]		Notary Public Signatu	re

2

	HEREOF, I her	reby set my nand, date of	signature and place of signa	itule as ilidicated below,
Agnature of Inv	entor	<u>Michael Siers</u> Typed Naπe	09/12/20/8 Date of Signature	Place of Signature City, Country
Michael Siers,	known to me o me that he ex	to be the person whose	e name is subscribed to t	specified, personally appeared the foregoing Assignment, and the purposes and consideration
Notary Public	[SEAL]		Notary Public Signate	ire
		V		
			Printed Name of Nota	ry Public
in Witness V	VHEREOF, I he	reby set my hand, date of	Printed Name of Nota	
IN WITNESS W		reby set my hand, date of <u>Scott Rudder</u> Typed Name		
Signature of Inv BEFOI Rudder, known	entor RE ME, the und	Scott Rudder Typed Name dersigned authority, on the person whose name is su	Signature and place of signature Date of Signature de day and year above specibscribed to the foregoing A	ature as indicated below. Place of Signature
Signature of Inv BEFOI Rudder, known	entor RE ME, the und	Scott Rudder Typed Name dersigned authority, on the person whose name is su	Signature and place of signature Date of Signature de day and year above specibscribed to the foregoing A	Place of Signature City, Country ified, personally appeared Scotessignment, and acknowledged to sideration therein expressed.

ORIGINAL ASSIGNMENT

For valuable consideration, I			
Dustin Young	of	Residence Address:	2116 County Road 1314 Blanchard, OK 73010 USA
Mark Chmielewski	_of	Residence Address:	3305 Troy Brett Trail Duluth, MN 55803 USA
Chris Morton	_of	Residence Address:	530 North 124th Avenue East Duluth, MN 55812 USA
Michael Siers	_of	Residence Address;	7742 East Briar Lake Drive Duluth, MN 55803 USA
Scott Rudder	_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

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1

	> Dansin Young		
Signature of Inventor	Typed Name	Date of Signature	Place of Signature City, Country
BEFORE ME, the un found, known to me to be the me that he executed the instru-	c person whose name is su	se day and year above speci- bearibed to the foregoing A and for the purposes and con-	ssegrament, and ocknow
Notary Public [SEAL]		<u>;</u>	
		Notary Public Sugnati	ut.
		Printed Name of Nest	ny Public
n witness whereof, h	hereby set my hand, date o	signature and place of sign	ature as imbicated below
	Mark Chmielewski		
Simulation of Immediate	Typed Name	Date of Signature	Place of Signature
HEFORE ME, the the Chimielewski, known to me cknowledged to me that he	ndersigned mathority, on the to be the person, whos	ne day and year above speci	City, Country ified, personally appear the foregoing Assignm
HEFORE ME, the the Cambelewski, known to me eknowledged to me that he berein expressed	ndersigned mathority, on the to be the person, whos	ne day and year above speci	City, Country ified, personally appear the foregoing Assignm the purposes and cons
HEFORE ME, the un Similar walf, known to me that he berein expressed	ndersigned mathority, on the to be the person, whos	ne day and year above speci e name is subscribed to if hix own free will and for	City, Country ified, personally appear the foregoing Assignm the purposes and cons
HEFORE ME, the un Chimielewski, known to me teknowieshed to me that he berein expressed Notery Public [SEAL]	ndersigned numerity, on the to be the person whose executed the restrument of	ne day and year above speci e name is subscribed to if hix own free will and for Notary Public Signatu Printed Name of Nota	City, Country ified, personally appear the foregoing Assignm the purposes and cons are
HEFORE ME, the un Chmiclewski, known to me acknowledged to me that he herein expressed Notary Public [SRAL] IN WITNESS WHEREOF, II	ndersigned numerity, on the to be the person whose executed the restrument of	ne day and year above speci e name is subscribed to if hix own free will and for Notary Public Signatu Printed Name of Nota	City, Country ified, personally appear the foregoing Assignm the purposes and cons are
Chimielewski, known to me cknowledged to me that he berein expressed Notary Public [SEAL] N WITNESS WHEREOF, II Signature of Inventor BEFORE ME, the or Morron, known to me to be the	ndersigned nutbority, on the to be the person whose executed the instrument of the foreby set my band, date of the Moston Typed Name adersigned authority, on the person whose name is st	ne day and year above specie name is subscribed to of hix own free will and for Notary Public Signature Printed Name of Notary Public Signature and place of sig	City, Country ified, personally appear the foregoing Assignment the purposes and cons are ary Public Place of Signature City, Country ified, personally appear assignment, and acknow
Christelewski, known to me acknowledged to me that he therein expressed Notary Public [SRAL] IN WITNESS WHEREOF, It Signature of Inventor	ndersigned nutbority, on the to be the person whose executed the instrument of the foreby set my band, date of the Moston Typed Name adersigned authority, on the person whose name is st	ne day and year above specie name is subscribed to of hix own free will and for Notary Public Signature Printed Name of Notary Public Signature and place of sig	City, Country ified, personally appear the foregoing Assignment due purposes and cons are Place of Signature City, Country ified, personally appear seignment, and solutowed ideration therein expres

in witness w	HEREOF, I here	by set my hand, date of si	gnature and place of signal	ture as indicated below.
Signature of Inve	entor	Michael Siers Typed Name	Date of Signature	Place of Signature City, Country
Michael Siers.	known to me to me that he exe	be the person whose	name is subscribed to the	specified, personally appeared he foregoing Assignment, and the purposes and consideration
Notary Public	[SEAL]		Notary Public Signatur	re
			Printed Name of Notar	ry Public
IN WITNESS W	HEREOF, Lhere	by set my hand, date of s	ignature and place of signa	ture as indicated below.
Signature of Inv	entor	Scott Rudder Typed Name	7/24/18 Date of Signature	Monarith Sact. US/ Place of Signature City, Country
Rudder, known	to me to be the p	erson whose name is sub	scribed to the foregoing As	fied, personally appeared Scott ssignment, and acknowledged to ideration therein expressed.
Notary Public	[SEAL]	-	Notary Public Signatu	re
			Printed Name of Nota	ry Public