PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4836515

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRANCIS J. DECK	11/10/2017
CARLA S. DRAPER	11/10/2017
ALAN RONEMUS	01/24/2018
WILLIAM ROBERT KEEFE	11/10/2017

RECEIVING PARTY DATA

Name:	Thermo Electron Scientific Instruments LLC
Street Address:	5225 Verona Road
City:	Madison
State/Country:	WISCONSIN
Postal Code:	53711

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15806076

CORRESPONDENCE DATA

Fax Number: (412)249-1383

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: 408-965-6040

Email: gail.wardwell@thermofisher.com THERMO FISHER SCIENTIFIC INC. **Correspondent Name:**

355 RIVER OAKS PARKWAY Address Line 1:

Address Line 2: IP DEPT.

Address Line 4: SAN JOSE, CALIFORNIA 95134

ATTORNEY DOCKET NUMBER:	TP20115US1/NAT
NAME OF SUBMITTER:	GAIL WARDWELL
SIGNATURE:	/Gail Wardwell/
DATE SIGNED:	02/22/2018

Total Attachments: 12

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> **PATENT REEL: 045010 FRAME: 0833** 504789783

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PATENT REEL: 045010 FRAME: 0834

ASSIGNMENT

WHEREAS WE, Francis J. DECK of c/o 5225 Verona Road, Madison, Wisconsin 53711; Carla S. DRAPER of c/o 5225 Verona Road, Madison, Wisconsin 53711; Alan RONEMUS of 5428 Marie Road, Oregon, Wisconsin 53575 and William Robert KEEFE of c/o 5225 Verona Road, Madison, Wisconsin 53711 have invented certain new and useful improvements, entitled SYSTEM AND METHOD OF DIMENSIONAL CALIBRATION FOR AN ANALYTICAL MICROSCOPE for which invention we have executed an application for Letters Patent in the United States that was filed on November 7, 2017 with the U.S. Patent and Trademark Office as Serial No. 15/806,076 which discloses and identifies the invention.

Whereas, THERMO ELECTRON SCIENTIFIC INSTRUMENTS LLC, a limited liability company formed in the State of Delaware, having a place of business at 5225 Verona Road, Madison, Wisconsin 53711, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, we hereby sell, assign, and set over unto the assignee and said assignee's successors, assigns, and designees, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above-mentioned assignee.

We hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, we convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of said United States application (or other application if any there be) in priority to other applications; and we do hereby covenant and agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, continuation, continuation-in-part, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such application or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

We hereby agree that the transfer of rights made by this instrument is effective as of the filing date of the application written above.

Kr	la	
Francis J. DECK		

Date: 10.NOV. 2017

Cal	Dy_
Carla S DRAPER	

Date: 10 Nov 2017

Alan RONEMUS		

Wellow Robert	Key.
William Robert KEEFE	15

Date: 10 Nov 2017

THERMO ELECTRON SCIENTIFIC INSTRUMENTS LLC

Name: Phillip run de Werken

Title: Vice President, General Manager Date: February 1, 2018

IN WITNESS WHEREOF, I hereto set my hand and seal on 10 NOV , 2017.
Francis J. DECK
State of:
County of Dune:
On November 10, 2017 before me, LISCAM Purdy, Notary Public, personally appeared Francis J. DECK who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of Wisconsin
that the foregoing paragraph is true and correct.
WITNESS my hand and official seal. LISA M PURDY Notary Public State of Wisconsin
My commission expires: July 2021 (Seal)

IN WITNESS WHEREOF, I hereto set my hand and seal on 1000 , 2017	<u>7</u> .
Cel Dry	
Carla S. DRAPER	and the second s
State of Wison sin:	
County of <u>Jane</u> :	
On Normber 10, 2017 before me, OSA M FURDY, No personally appeared Carla S. DRAPER who proved to me on the basis of satisfactory evithe person whose name is subscribed to the within instrument and acknowledged to executed the same in his authorized capacity, and that by his signature on the instrument or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of Misson that the foregoing paragraph is true and correct.	idence to be me that he the person,
ž N	SA M PURDY otary Public e of Wisconsin
My commission expires: July 50 2021 (Sec	al)

In Witness Whereof,	hereto set my hand and seal on	, 20
	Alan RONEMUS	
State of	:	
County of	:	
On	before me,	, Notary Public,
personally appeared Ala	n RONEMUS who proved to me on the bas	sis of satisfactory evidence to be
the person whose name	is subscribed to the within instrument ar	nd acknowledged to me that he
executed the same in his	authorized capacity, and that by his signati	ure on the instrument the person,
or the entity upon behalf	f of which the person acted, executed the i	instrument.
I certify under PENALT	Y OF PERJURY under the laws of the State	e of
that the foregoing parag	raph is true and correct.	
WITNESS my hand and	official seal.	
Signature:		
My commission expires	:	(Seal)

IN WITNESS WHEREOF, I hereto set my hand and seal on 10 Nov , 2017.
William)Robert KEEFE
William Robert KEEFE
State of Wisconsin:
County of:
On Normber 10, 2017 before me, San Fue by, Notary Public, personally appeared William Robert KEEFE who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of Wiscon Signature.
WITNESS my hand and official seal. LISA M PURDY Notary Public State of Wisconsin My commission expires:

(Seal)

ASSIGNMENT

WHEREAS WE, Francis J. DECK of c/o 5225 Verona Road, Madison, Wisconsin 53711; Carla S. DRAPER of c/o 5225 Verona Road, Madison, Wisconsin 53711; Alan RONEMUS of 5428 Marie Road, Oregon, Wisconsin 53575 and William Robert KEEFE of c/o 5225 Verona Road, Madison, Wisconsin 53711 have invented certain new and useful improvements, entitled SYSTEM AND METHOD OF DIMENSIONAL CALIBRATION FOR AN ANALYTICAL MICROSCOPE for which invention we have executed an application for Letters Patent in the United States that was filed on November 7, 2017 with the U.S. Patent and Trademark Office as Serial No. 15/806,076 which discloses and identifies the invention.

Whereas, THERMO ELECTRON SCIENTIFIC INSTRUMENTS LLC, a limited liability company formed in the State of Delaware, having a place of business at 5225 Verona Road, Madison, Wisconsin 53711, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, we hereby sell, assign, and set over unto the assignee and said assignee's successors, assigns, and designees, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above-mentioned assignee.

We hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, we convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of said United States application (or other application if any there be) in priority to other applications; and we do hereby covenant and agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, continuation, continuation-in-part, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such application or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

Francis J. DECK	Date:
Carla S. DRAPER	Date:
Alan RONEMUS	Date: K 1/24/18
William Robert KEEFE	Date:
THERMO ELECTRON SCIENTIFIC IN	NSTRUMENTS LLC
Name:	
Title:	
Date:	

We hereby agree that the transfer of rights made by this instrument is effective as of the filing date of the application written above.

In Witness Whereof, I l	nereto set my hand and seal on	, 20
	Francis J. DECK	
State of	:	
County of	:	
On	before me,	, Notary Public,
personally appeared Fran	cis J. DECK who proved to me on the ba	asis of satisfactory evidence to be
the person whose name	is subscribed to the within instrument	and acknowledged to me that he
executed the same in his a	uthorized capacity, and that by his signa	ature on the instrument the person,
or the entity upon behalf	of which the person acted, executed the	e instrument.
I certify under PENALTY	OF PERJURY under the laws of the Stat	te ofthat
the foregoing paragraph i	s true and correct.	
WITNESS my hand and	official seal.	
Signature:		
My commission expires:	1,000	
		(Seal)

IN WITNESS WHEREOF, I he	reto set my hand and seal on	, 20
	Carla S. DRAPER	A CONTRACTOR OF THE CONTRACTOR
State of	·	
County of	•	
On	before me,	, Notary Public,
personally appeared Carla S	S. DRAPER who proved to me on the basi	s of satisfactory evidence to be
the person whose name is	subscribed to the within instrument and	d acknowledged to me that he
executed the same in his au	thorized capacity, and that by his signatur	e on the instrument the person,
or the entity upon behalf of	f which the person acted, executed the in-	strument.
I certify under PENALTY (OF PERJURY under the laws of the State o	ofthat
the foregoing paragraph is	true and correct.	
WITNESS my hand and of	ficial seal.	
Signature:		
My commission expires:		(Seal)

In Witness Whereof, I	hereto set my hand and seal on	, 20
	Alan RONEMUS	
State of	;	
County of	:	
On	before me,	, Notary Public,
personally appeared Ala	n RONEMUS who proved to me on the bas	sis of satisfactory evidence to be
the person whose name	is subscribed to the within instrument an	nd acknowledged to me that he
executed the same in his	authorized capacity, and that by his signature	ure on the instrument the person,
or the entity upon behal	f of which the person acted, executed the i	nstrument.
I certify under PENALT	Y OF PERJURY under the laws of the State	e of
that the foregoing parag	raph is true and correct.	
WITNESS my hand and	Lofficial cool	
WITNESS my hand and	i official seal.	
Signature:). -	
My commission expires	:	(Seal)

IN WITNESS WHEREOF, I hereto se	et my hand and seal on	, 20
	William Robert KEEFE	
State of	:	
County of	:	
On	before me,	, Notary Public,
personally appeared William Robe	<u>ert KEEFE</u> who proved to me on t	he basis of satisfactory evidence to
be the person whose name is sub	scribed to the within instrument	and acknowledged to me that he
executed the same in his authorize	ed capacity, and that by his signa	ture on the instrument the person,
or the entity upon behalf of which	h the person acted, executed the	instrument.
I certify under PENALTY OF PE	RJURY under the laws of the Sta	ite of
that the foregoing paragraph is tr	ue and correct.	
WITNESS my hand and official	seal.	
Signature:		
My commission expires:		(Seal)

PATENT REEL: 045010 FRAME: 0846