

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5120073

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|---|-----------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ROBERT DEWITTE | 12/01/2011 |
| JUHANI SIIDOROV | 12/07/2011 |
| VESA NUOTIO | 12/07/2011 |
| RAIMO SALMINEN | 12/07/2011 |
| JARMO VEHKOMAKI | 12/07/2011 |
| JUKKA SAUKKONEN | 12/07/2011 |
| BILL OSTMAN | 12/21/2011 |
| JOSEPH M. SENTENO | 12/14/2011 |
| JOHN EDWARD BRANN III | 01/12/2012 |
| JOSEPH L. HERMAN | 12/02/2011 |
| JEFFREY A. ZONDERMAN | 12/06/2011 |
| TERRY OLNEY | 12/07/2011 |
| RECEIVING PARTY DATA | |
| Name: | THERMO FISHER SCIENTIFIC OY |
| Street Address: | RATASTIE 2 |
| Internal Address: | P.O. BOX 100 |
| City: | VANTAA |
| State/Country: | FINLAND |
| Postal Code: | FI-01621 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16118043 |
| CORRESPONDENCE DATA | |
| Fax Number: | (937)443-6635 |
| <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> | |
| Phone: | 937-443-6600 |
| Email: | ipdocket@thompsonhine.com |
| Correspondent Name: | THOMPSON HINE LLP |
| Address Line 1: | 10050 INNOVATION DRIVE |

PATENT

| | |
|------------------------|-------------------------|
| Address Line 2: | SUITE 400 |
| Address Line 4: | DAYTON, OHIO 45342-4934 |

| | |
|--------------------------------|------------------------|
| ATTORNEY DOCKET NUMBER: | 095647-00019USDV1E/AMG |
|--------------------------------|------------------------|

| | |
|---------------------------|--------------------|
| NAME OF SUBMITTER: | JEFFREY C. METZCAR |
|---------------------------|--------------------|

| | |
|-------------------|----------------------|
| SIGNATURE: | /Jeffrey C. Metzcar/ |
|-------------------|----------------------|

| | |
|---------------------|------------|
| DATE SIGNED: | 08/31/2018 |
|---------------------|------------|

Total Attachments: 13

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ASSIGNMENT OF INVENTION AND PATENTS THEREON

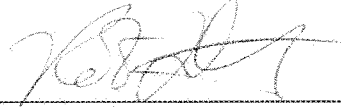
WHEREAS, I (we), Robert DeWitte, Juhani Siidorov, Vesa Nuotio, Raimo Salminen, Jarmo Vehkomäki, Jukka Saukkonen, Bill Östman, Joseph M. Senteno, John Edward Brann III, Joseph L. Herman, Jeffrey A. Zonderman and Terry N. Olney have invented an **AUTOMATED SYSTEM FOR SAMPLE PREPARATION AND ANALYSIS** as fully disclosed in an application for Patent so entitled and filed by me (us) on October 28, 2011 as PCT Application Serial No. PCT/US2011/058452, and have invented an **AUTOMATED SYSTEM FOR SAMPLE PREPARATION AND ANALYSIS** as fully disclosed in an application for Patent so entitled and filed by me (us) on _____ as U.S. Application Serial No. _____, preparatory to obtaining Letters Patent of the United States therefor. **I (we) hereby authorize and request any one of the attorneys of Wood, Herron & Evans, L.L.P., 441 Vine Street, 2700 Carew Tower, Cincinnati, Ohio 45202, to insert herein the filing date and application serial number of said application when known.**

WHEREAS, **THERMO FISHER SCIENTIFIC Oy**, a Finnish corporation organized under the Laws of Finland and having its principal office at Ratastie 2, P.O. Box 100, FI-01621 Vantaa, Finland desires to acquire the entire interest in and to the subject matter disclosed in said applications and in and to all patents issued or to be issued thereon.

NOW, THEREFORE, to all whom it may concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to me (each of us) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we) have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said **THERMO FISHER SCIENTIFIC Oy** my (our) entire right, title and interest in and to the subject matter disclosed in said applications and in and to all Letters Patent Domestic and Foreign issued or to be obtained thereon, including all rights and interests with priority rights under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperative Union, European Patent Convention, Common Market Convention, or any other Convention or Union for each country of said Convention or Union; and I (we) do hereby authorize and request the Commissioner of Patents to issue the Letters Patent granted on said applications and all future patents granted upon the subject matter disclosed therein to the above-named Assignee, its legal representatives and assigns.

ASSIGNORS:

IN WITNESS WHEREOF, I hereto set my hand this 1 day of Dec, 2011.



Robert DeWitte
Citizenship Canada
287 Glen Afton Drive
Burlington, ON L7L 1G8
Canada

WITNESS:

Natalie Chong
Signature

NATALIE CHONG
Printed Name

Dec 1, 2011
Date

IN WITNESS WHEREOF, I hereto set my hand this 7 day of December, 2011.



Juhani Siidorov
Citizenship Finland
Norotie 8 C 37
FI - 01600 Vantaa
Finland

WITNESS:

Alex Neri

Signature

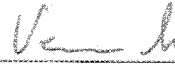
Taina Karkala

Printed Name

7th of December 2011


Date

IN WITNESS WHEREOF, I hereto set my hand this 7 day of December, 2011.



Vesa Nuotio
Citizenship Finland
Haarssinkuja 6
FI - 02970 Espoo
Finland

WITNESS:



Signature

JUHANI SAVONIUS

Printed Name

2011-12-07

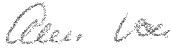
Date

IN WITNESS WHEREOF, I hereto set my hand this 7 day of December, 2011.

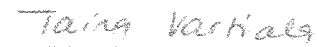


Raimo Salminen
Citizenship Finland
Eerikinkatu 42 D 39
FI - 00180 Helsinki
Finland

WITNESS:



Signature



Printed Name

7th of December 2011

Date

IN WITNESS WHEREOF, I hereto set my hand this 7 day of December, 2011.



Jarmo Vehkomäki
Citizenship Finland
Lehtikuusentie 8
FI - 02680 Veikkola
Finland

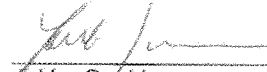
WITNESS:

Mai Vaa
Signature

Taina Vartiainen
Printed Name

7th of December 2011
Date

IN WITNESS WHEREOF, I hereto set my hand this 7 day of December, 2011.



Jukka Sæukkonen
Citizenship Finland
Riilahdentie 5 D 14
FI - 02360 Espoo
Finland

WITNESS:



Signature


NIINA SANDE

Printed Name

2011-12-07

Date

IN WITNESS WHEREOF, I hereto set my hand this 21st day of December, 2011.


Bill Ostman
Citizenship Finland
Ritokalliontie 4 A 1
FI - 00330 Helsinki
Finland

WITNESS:


Signature

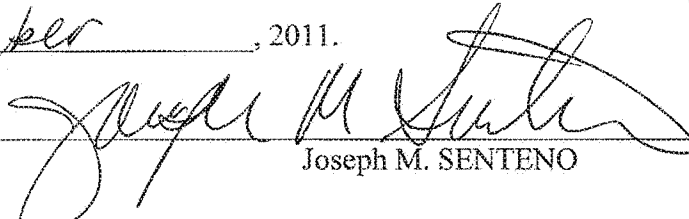
LINNEA MÄKELÄ
Printed Name

21.12.2011
Date

Full Name of Inventor: Joseph M. SENTENO

Post Office Address: 1440 Padres Dr., San Jose, CA 95125

IN WITNESS WHEREOF, I hereto set my hand and seal on this 14th day of December, 2011.



Joseph M. SENTENO

State of CALIFORNIA :

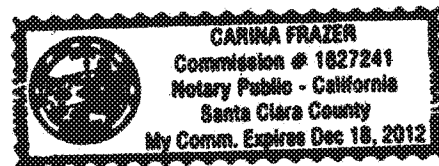
:

County of SANTA CLARA COUNTY :

On Dec. 14, 2011 before me, Carina Frazer, NOTARY PUBLIC, personally appeared Joseph M. SENTENO 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 CALIFORNIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature: Carina Frazer
My commission expires: Dec. 18, 2012

(Seal)

Full Name of
Inventor:

Brann III

John

Edward

Last Name

First Name

Middle Name

John E Brann III

Signature

1/12/12

Date

Post Office

Address:

455 Grafton Street

Shrewsbury, MA

01545

Post Office Address

City, State or County

Zip Code

STATE OF *Massachusetts*)

) SS

COUNTY OF *Norfolk*)

On this *12th* day of *January*, *2012* *12th 1/12/12* before me personally appeared John Edward Brann III to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.



Edgardo J. Mantilla
Notary Public



EDGARDO J. MANTILLA
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
September 28, 2016

Full Name of

Inventor:

Herman

Joseph

L.

Last Name

First Name

Middle Name

Joseph Herman

Signature

12/2/11

Date

Post Office

Address:

1051 Squires Drive

West Chester, PA

19382

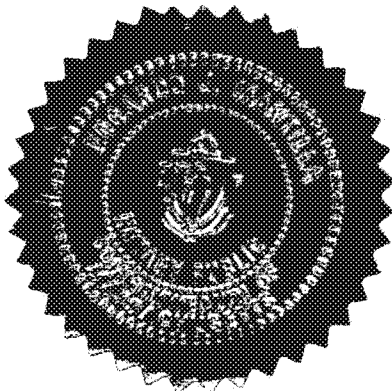
Post Office Address

City, State or County

Zip Code

STATE OF *Massachusetts*
COUNTY OF *Norfolk*) SS

On this 2 day of December, 2011 before me personally appeared Joseph L. Herman to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.



Edgardo J. Mantella
Notary Public



EDGARDO J. MANTILLA
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
September 22, 2018

Full Name of
Inventor:

Zonderman

Jeffrey

A.

Last Name

First Name

Middle Name

Signature

Date

Post Office

Address:

52 Clearwater Drive

Westwood, MA

02090

Post Office Address

City, State or County

Zip Code

STATE OF Massachusetts)
COUNTY OF Norfolk) SS

On this 6th day of December, 2011 before me personally appeared Jeffrey A. Zonderman to me known and known by me to be the above-named individual who acknowledged the signing of the foregoing instrument to be a voluntary act and deed and who executed the same for the uses and purposes therein specified.



Edgardo J. Mantilla
Notary Public



EDGARDO J. MANTILLA
NOTARY PUBLIC
COMMONWEALTH OF MASSACHUSETTS
MY COMMISSION EXPIRES
September 28, 2018

Full Name of Inventor: Terry OLNEY

Post Office Address: 4702 Windy Cove Lane, Tracy, CA 95377

IN WITNESS WHEREOF, I hereto set my hand and seal on this Seventh day of
December, 2011.

Terry Olney
Terry OLNEY

State of CALIFORNIA :

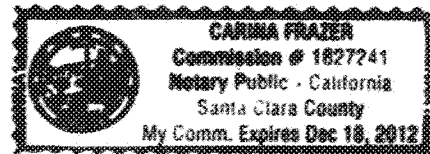
:

County of SANTA CLARA COUNTY :

On Dec. 7, 2011 before me, Carina Frazer, NOTARY PUBLIC,
personally appeared Terry OLNEY 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 CALIFORNIA that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature: Carina Frazer
My commission expires: Dec. 18, 2012

(Seal)

