

Refer to Document ID # 103491921

Form **PTO-1595** (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

04-24-2008

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

RE



103498940

To the Director of the U.S. Patent and Trademark Office

at the address(es) or the new address(es) below.

1. Name of conveying party(ies)

Geffer, Peter
Gehlke, Scott
Levit, Lawrence

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 4/10/08, 4/11/08, 4/12/08

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: MKS Instruments

Internal Address: c/o John Menear

Street Address: 1750 North Loop Road

Suite 100

City: Alameda

State: California

Country: United States Zip: 94502

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: MKS Instruments

Internal Address: C/o John Menear

Street Address: 1750 North Loop Road

Suite 100

City: Alameda

State: California Zip: 94502

Phone Number: 510-217-0600, X-466

Fax Number: 510-217-0484

Email Address: jmenear@ion.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed - PREVIOUSLY PAID
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

John E. Menear
Signature

4/10/08

Date

John E. Menear

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 020858 FRAME: 0578

ASSIGNMENT OF APPLICATION

Number (Optional)

Whereas, I, **Peter Gefter** -of **176 Cymbidium Circle, South San Francisco**
CA 94080 hereafter

referred to as applicant, have invented certain new and useful improvements for

PREVENTION OF EMITTER CONTAMINATION WITH ELECTRONIC WAVEFORMS

for which an application for a United States Patent was executed on **March 14, 2008** and

Whereas, **MKS Instruments** -of **Alameda, CA** here referred

to "assignee" whose mailing address is **1750 North Loop Road, Suite 100, Alameda, CA 94502** is

desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of **zero dollars (\$ 0.00)** the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this **10th** day of **April** 2008

Signature

P. Gefter

State of _____ SS: _____ Printed Name/Registration No., if applicable

County of _____

Before me personally appeared said

and acknowledged the foregoing instrument to be his free act and deed this

day of **2008**

Seal

See Attached

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative (s) are required. Submit multiple forms if more than one signature is required. See below*.

Total of _____ -forms are submitted.

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of

Alameda

On April 10, 2008 before me,

K. Kearney, Notary Public
(Here insert name and title of the officer)

personally appeared

Peter Geyter

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

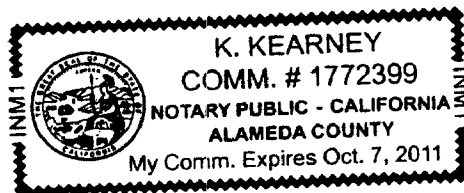
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

K. Kearney

(Notary Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Assignment of Application
(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages 1 Document Date 4/10/08

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- ☒ Individual (s)
☐ Corporate Officer

(Title)

- ☐ Partner(s)
☐ Attorney-in-Fact
☐ Trustee(s)
☐ Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

Any acknowledgment completed in California must contain verbiage exactly as appears above in the notary section or a separate acknowledgment form must be properly completed and attached to that document. The only exception is if a document is to be recorded outside of California. In such instances, any alternative acknowledgment verbiage as may be printed on such a document so long as the verbiage does not require the notary to do something that is illegal for a notary in California (i.e. certifying the authorized capacity of the signer). Please check the document carefully for proper notarial wording and attach this form if required.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document

ASSIGNMENT OF APPLICATION

Number (Optional)

Whereas, I, **Scott Gehlke** -of **434 Vassar Avenue, Berkeley, CA 94708**
CA 94080 hereafter

referred to as applicant, have invented certain new and useful improvements for

PREVENTION OF EMITTER CONTAMINATION WITH ELECTRONIC WAVEFORMS

for which an application for a United States patent was executed on **March 14, 2008** and

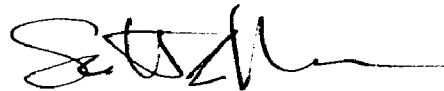
Whereas, **MKS Instruments** -of **Alameda, CA** here referred

to "assignee" whose mailing address is **1750 North Loop Road, Suite 100, Alameda, CA 94502** is

desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of **zero dollars (\$ 0.00)** the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this **10th** day of **April** 2008



Signature

State of _____ SS: _____ Printed Name/Registration No., if applicable

County of _____

Before me personally appeared said

and acknowledged the foregoing instrument to be his free act and deed this

day of **2008**

Seal *see attached*

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative (s) are required. Submit multiple forms if more than one signature is required, See below*.

Total of _____ -forms are submitted.

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CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of

Alameda

On April 11, 2008 before me,

K. Kearney, Notary Public
(Here insert name and title of the officer)

personally appeared

Scott Gehlke

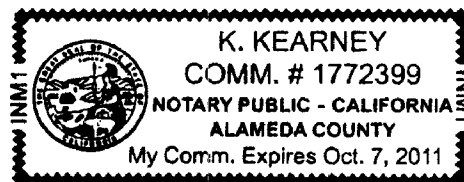
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

K. Kearney
Signature of Notary Public

(Notary Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Assignment of Application
(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages 1 Document Date 4/11/08

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- ☒ Individual (s)
☐ Corporate Officer

(Title)

- ☐ Partner(s)
☐ Attorney-in-Fact
☐ Trustee(s)
☐ Other _____

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 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document

ASSIGNMENT OF APPLICATION

Number (Optional)

Whereas, I, **Lawrence Levit** -of **1865 Monte Sereno Drive, Alamo**
CA 94507 hereafter

referred to as applicant, have invented certain new and useful improvements for

PREVENTION OF EMITTER CONTAMINATION WITH ELECTRONIC WAVEFORMS

for which a an application for a United States patents was executed on **March 14, 2008** and

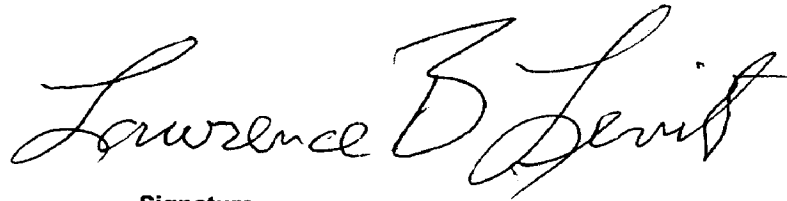
Whereas, **MKS Instruments** -of **Alameda, CA** here referred

to "assignee" whose mailing address is **1750 North Loop Road, Suite 100, Alameda, CA 94502** is

desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of **zero dollars (\$ 0.00)** the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this **10th** day of **April** 2008



Signature

State of _____ SS: _____ Printed Name/Registration No., if applicable

County of _____

Before me personally appeared said

and acknowledged the foregoing instrument to be his free act and deed this

day of **2008**

Seal



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State of California

County of

Alameda

On April 10, 2008

before me,

K. Kearney, Notary Public
(Here insert name and title of the officer)

personally appeared

Lawrence B. Levit

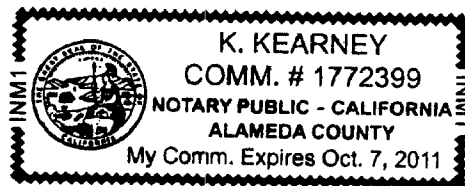
who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ 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.

K. Kearney
Signature of Notary Public

(Notary Seal)



ADDITIONAL OPTIONAL INFORMATION

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☐ Corporate Officer

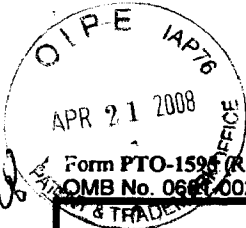
(Title)

- ☐ Partner(s)
☐ Attorney-in-Fact
☐ Trustee(s)
☐ Other _____

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- Securely attach this document to the signed document



U.S. PTO
12/075967
03/14/2008

Form PTO-1594 (Rev. 07/05)
OMB No. 0657-0027 (exp. 6/30/2008)

03-26 2008

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

SHEET

To the Director of the U.S. Pat

103491921

ached documents or the new address(es) below.

1. Name of conveying party(ies)

Geffer, Peter
Gehlke, Scott
Levit, Lawrence

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 3/13/08, 3/13/08, 3/13/08

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☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

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Internal Address: c/o John Menear

Street Address: 1750 North Loop Road

Suite 100

City: Alameda

State: California

Country: United States Zip: 94502

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

03/18/2008 TNGUYEN2 02000011 12075967

06 FC:0021

40.00 pp

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: MKS Instruments

Internal Address: C/o John Menear

Street Address: 1750 North Loop Road,

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City: Alameda

State: California Zip:

Phone Number: 510-217-0600, X-466

Fax Number: 510-217-0484

Email Address: jmenear@ion.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

John E. Menear
Signature

3/13/08

Date

John E. Menear

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

1

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

RECORDED: 03/14/2008

PATENT
REEL: 020858 FRAME: 0585