

ASSIGN

01-03-2006

IEET

112919 U.S. PTO
11/314779



103149764

Commissioner of Patents:

Please record the attached document.

1. Name of conveying party:

- a) Evan R. Mapoles
- b) Grace H. Chen
- c) Christopher F. Bevis
- d) David W. Shortt

2. Name and address of receiving party:

- a) Name: KLA-Tencor Technologies Corporation
- Address: One Technology Drive
Milpitas, CA 95035

3. Nature of conveyance:

- | | | | |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment | <input type="checkbox"/> | Merger |
| <input type="checkbox"/> | Security Agreement | <input type="checkbox"/> | Change of Name |
| <input type="checkbox"/> | Other _____ | <input type="checkbox"/> | License Agreement |

Execution Date: 12/15/05 (Mapoles); 12/06/05 (Chen); 11/16/05 (Bevis); 12/05/05 (Shortt)

4. Application Number or Patent Number: Filed Herewith

The title of the application is: **SYSTEM AND METHOD FOR CONDUCTING ADAPTIVE FOURIER FILTERING TO DETECT DEFECTS IN DENSE LOGIC AREAS OF AN INSPECTION SURFACE**

5. Please send all correspondence concerning this document to:

Beyer Weaver & Thomas, LLP
P.O. Box 70250
Oakland, CA 94612-0250
Customer Number: 022434

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed.
- ☐ Charge to Deposit Account No. 500388 (Order No. _____).
- ☒ Any additional fees are authorized to be charged to Deposit Account No. 50-0388 (Order No. KLA1P084BX1).

Date: December 20, 2005

Francis T. Kalinski II
Registration No. 44,177

Total number of pages including this cover sheet, attachments and documents: 7

12/28/2005 EHAILE1 00000038 11314779

06 FC:8021

40.00 DP

Attorney Docket No. KLA1P084BX1

(Revised 9/03)

PATENT
REEL: 017404 FRAME: 0038

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

SYSTEM AND METHOD FOR CONDUCTING ADAPTIVE FOURIER FILTERING TO DETECT DEFECTS IN DENSE LOGIC AREAS OF AN INSPECTION SURFACE

(Atty. Docket No. KLA1P084BX1), (check one)

- ☒ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
☐ which bears U.S. application No. _____. (Not accompanying)
☐ which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to **KLA-Tencor Technologies Corporation**, a California corporation having a place of business at One Technology Drive, Milpitas, CA 95035 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. **Inventor Signature:** Evan R. Mapoles
Evan R. Mapoles

Date: 12/15/2005

State of California)
)
County of _____) ss.

On this _____ day of _____, in the year 2005, before me, _____, Notary Public, personally appeared Evan R. Mapoles, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

2. **Inventor Signature:** _____
Grace H. Chen

Date: _____

State of California)
)
County of _____) ss.

On this _____ day of _____, in the year 2005, before me, _____, Notary Public personally appeared Grace H. Chen, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

3. **Inventor Signature:** _____
Christopher F. Bevis

Date: _____

State of California)
)
County of _____) ss.

On this _____ day of _____, in the year 2005, before me, _____, Notary Public, personally appeared Christopher F. Bevis, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

4. **Inventor Signature:** _____ **Date:** _____
David W. Shortt

State of California)
)
County of _____) ss.

On this _____ day of _____, in the year 2005, before me, _____, Notary Public, personally appeared David W. Shortt, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

ASSIGNMENT OF PATENT APPLICATION

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SYSTEM AND METHOD FOR CONDUCTING ADAPTIVE FOURIER FILTERING TO DETECT DEFECTS IN DENSE LOGIC AREAS OF AN INSPECTION SURFACE

(Atty. Docket No. KLA1P084BX1), (check one)

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- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature: _____
Evan R. Mapoles

Date: _____

State of California)
)
County of _____) SS.

On this _____ day of _____, in the year 2005, before me, _____, Notary Public, personally appeared Evan R. Mapoles, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature _____

2. Inventor Signature: _____
Grace H. Chen

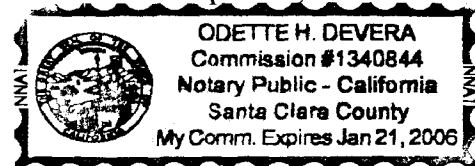
Date: 12/06/05

State of California)
)
County of Santa Clara) SS.

On this 6th day of December, in the year 2005, before me, Odette H. Devera, Notary Public personally appeared Grace H. Chen, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Odette H. Devera



3. Inventor Signature: _____
Christopher F. Bevis

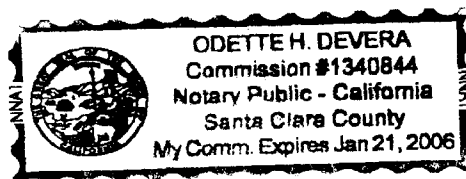
Date: 16 Nov 2005

State of California)
)
County of Santa Clara) SS.

On this 16th day of November, in the year 2005, before me, Odette H. Devera, Notary Public, personally appeared Christopher F. Bevis, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Odette H. Devera



4. Inventor Signature:

David W. Shortt
David W. Shortt

Date: 5 Dec 2005

State of California

County of

Santa Clara

SS.

On this 5th day of December, in the year 2005, before me, Odette H. Devera, Notary Public, personally appeared David W. Shortt, personally known to me (or 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/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature

Odette H. Devera

