

11-19-2007

U.S. PTO
11/982096
10/31/2007

Atty. Docket No.
Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2007)



U.S. Department of COMMERCE
United States Patent and Trademark Office

103461691

COVER SHEET

PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

10-31-07

1. Name of conveying party(ies):

LEI ZHONG - 08/18/2007
JOHN FRETWELL - 10/03/2007
KARA LEE SHERMAN - 08/20/2007
ROBERT WILLIAM FIORDALICE - 09/12/2007

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

2. Name and address of receiving party(ies)

Name: KLA-TENCOR TECHNOLOGIES CORPORATION

Internal Address: _____

Street Address: 1 TECHNOLOGY DRIVE

City: MILPITAS

State: CA

Country: U.S.A Zip: 95035

Additional Name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Execution Date(s) Aug. 18, 20, Sept. 12, and Oct. 3, 2007

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

4. Application number(s) or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

11/05/2007 NGEBREM1 00000019 11982096
04 FC:8021

40.00 DP

Additional numbers attached? Yes No

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

Name: OKAMOTO & BENEDICTO LLP

Internal Address: _____

Street Address: P.O.BOX 641330

City: SAN JOSE

State: CA Zip: 95164-1330

Phone Number: (408) 436-2110

Fax Number: (408) 436-2114

Email Address: _____

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 :

October 31, 2007

James K. Okamoto

Signature

Date

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

10

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140 or mailed to:

PATENT

REEL: 020142 FRAME: 0201

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby 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"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) ("APPLICATION"), entitled "**DETECTION OF DEFECTS USING TRANSIENT CONTRAST**" and with the following particulars:

Filing Date: _____ Attorney Docket No.: 10011.007900 (P1770)

Application No.: _____

2. The entire worldwide right, title, and interest in and to:
 (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
 (c) all divisional, provisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted or have been granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in and to the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.


INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Title of Document: ASSIGNMENT

Re: DETECTION OF DEFECTS USING TRANSIENT CONTRAST
Serial No.:
Filing Date:
Atty. Docket No.: 10011.007900 (P1770)

INVENTOR further authorizes and directs the attorneys of record to insert in this document the serial number and filing date of the APPLICATION, identified by the attorney docket number and title set forth above, as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

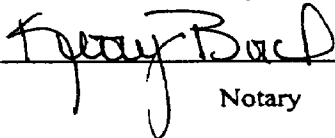
<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
 Lei Zhong	08/18/07 2007	08/18/07 2007

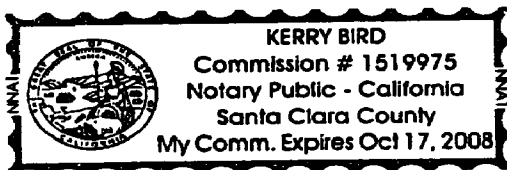
State of California } S.S.
County of Santa Clara }

On August 15, 2007 before me, Kerry Bird personally
[DATE] [NOTARY PUBLIC]
appeared Lei Zhong personally known to me or proved to me on the basis of
[INVENTOR]

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, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal


Notary



Title of Document: ASSIGNMENT

Re:
Title: DETECTION OF DEFECTS USING TRANSIENT CONTRAST
Serial No.:
Filing Date:
Atty. Docket No.: 10011.007900 (P1770)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
_____	_____2007	_____2007
John Fretwell		

State of _____) S.S.

County of _____)

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]

appeared _____ personally known to me or proved to me on the basis of
[INVENTOR]

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, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal

Notary

Title of Document: ASSIGNMENT

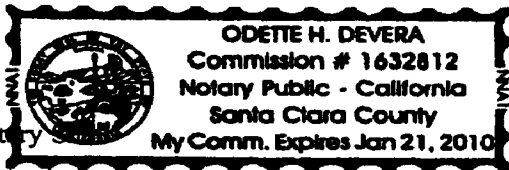
Re:
Title: DETECTION OF DEFECTS USING TRANSIENT CONTRAST
Serial No.:
Filing Date:
Atty. Docket No.: 10011.007900 (P1770)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u><i>Kara Lee Sherman</i></u> Kara Lee Sherman	<u>8/20</u> , 2007	<u>8/20</u> , 2007

State of CA } S.S.
County of Santa Clara }

On August 20, 2007 before me, Odette H. Devera personally
[DATE] [NOTARY PUBLIC]
appeared Kara Lee Sherman personally known to me or proved to me on the basis of
[INVENTOR]

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, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



Odette H. Devera
Notary

Title of Document: ASSIGNMENT

Re:
Title: DETECTION OF DEFECTS USING TRANSIENT CONTRAST
Serial No.:
Filing Date:
Atty. Docket No.: 10011.007900 (P1770)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
_____	_____, 2007	_____, 2007
Robert William Fiordalice		

State of _____ } S.S.

County of _____ }

On _____ before me, _____ personally
 [DATE] [NOTARY PUBLIC]
 appeared _____ personally known to me or proved to me on the basis of
 [INVENTOR]
 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, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal _____
 Notary

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby 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"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) ("APPLICATION"), entitled "**DETECTION OF DEFECTS USING TRANSIENT CONTRAST**" and with the following particulars:

Filing Date: _____ Attorney Docket No.: 10011.007900 (P1770)

Application No.: _____

2. The entire worldwide right, title, and interest in and to:
 (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
 (c) all divisional, provisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted or have been granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in and to the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Title of Document: ASSIGNMENT

Re:
Title: DETECTION OF DEFECTS USING TRANSIENT CONTRAST
Serial No.:
Filing Date:
Atty. Docket No.: 10011.007900 (P1770)

INVENTOR further authorizes and directs the attorneys of record to insert in this document the serial number and filing date of the APPLICATION, identified by the attorney docket number and title set forth above, as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Robert William Fiordalice</u> Robert William Fiordalice	<u>9/12</u> .2007	<u>9/12</u> .2007

State of _____} S.S.
County of _____}

On _____ before me, _____ personally
[DATE] [NOTARY PUBLIC]
appeared _____ personally known to me or proved to me on the basis of
[INVENTOR]
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, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Seal _____ Notary

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby 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"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) ("APPLICATION"), entitled "**DETECTION OF DEFECTS USING TRANSIENT CONTRAST**" and with the following particulars:

Filing Date: _____ Attorney Docket No.: 10011.007900 (P1770)

Application No.: _____

2. The entire worldwide right, title, and interest in and to:
 (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
 (c) all divisional, provisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted or have been granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in and to the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.


INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Title of Document: ASSIGNMENT

Re: DETECTION OF DEFECTS USING TRANSIENT CONTRAST
Serial No.:
Filing Date:
Atty. Docket No.: 10011.007900 (P1770)

INVENTOR further authorizes and directs the attorneys of record to insert in this document the serial number and filing date of the APPLICATION, identified by the attorney docket number and title set forth above, as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

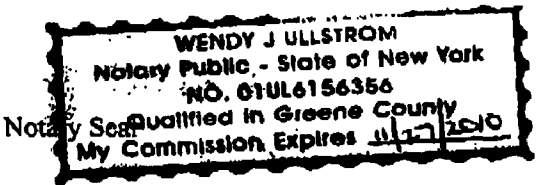
This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

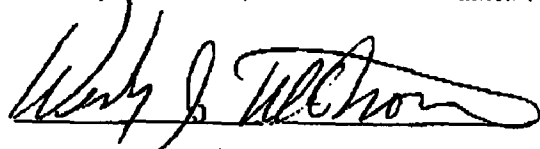
<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
 John Fretwell	<u>Oct 31 2007</u>	<u>2007</u>

State of New York } S.S.
County of Albany }

On 31 October 2007 before me, Wendy Ullstrom personally
[DATE] [NOTARY PUBLIC]
appeared John Fretwell personally known to me or proved to me on the basis of
[INVENTOR]

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, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.




Notary