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TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE FOR THE ORIGINAL DOCUMENTS OR COPY THEREOF.

PLEASE RECORD THE ATTACHED

1. Name of conveying party(ies):  
Mehdi Vaez-Iravani, Jeffrey Alan Rzepiela; Carl Treadwell; Andrew Zeng; and Robert Fiordalice.  
  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies):  
Name: KLA-Tencor Corporation  
Street Address: One Technology Drive  
City: Milpitas State: CA Zip: 95035  
Country: U.S.A.

3. Nature of Conveyance:  
 Assignment/copy from parent  Merger  
 Security Agreement  Change of Name  
 Other  
  
Execution Date: Sept. 26, 2001; Sept. 26, 2001; Sept. 24, 2001; Sept. 25, 2001; and Sept 24, 2001 respectively.

Name and address of receiving party(ies):  
Name:  
Street Address:  
City: State: Zip:  
Country:  
Additional name(s) & address(es) attached?  
 Yes  No

OFFICE OF PATENT RECORDS  
FINANCE SECTION  
2003 JUL 28 AM 7:23

4. Application number(s) or patent number(s): 10/360,565  
  
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/360,565  
Title: Defect Detection System


B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: James S. Hsue  
Internal Address: Parsons Hsue & de Runtz LLP  
Street Address: 655 Montgomery Street, Suite 1800  
City San Francisco State CA Zip 94111

6. Total number of applications and patents involved: 1  
  
7. Total fee (37 CFR 3.41): \$40.00  
 A check is enclosed that includes the total fee.  
 Charge Deposit Account 502664 for any additional fees required for this conveyance and credit deposit account 502664 any amounts overpaid

DO NOT USE THIS SPACE

8. Statement and signature.  
  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
  
James S. Hsue, Reg. No.: 29,545  
Name of Person Signing  Signature July 24, 2003 Date  
  
Total number of pages including cover sheet, attachments, and documents: 7

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**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

hereby sell, assign and transfer to KLA-TENCOR TECHNOLOGIES CORPORATION, a California corporation, having a place of business at One Technology Drive, Milpitas, California 95035, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

**IMPROVED DEFECT DETECTION SYSTEM**

for which we filed a United States Patent Application on April 6, 2001, which now has Serial No. 09/828,269, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 26 day of September, 2001.

  
MEHDI VAEZ-TRAVANI

Executed this 26 day of September, 2001.

  
JEFFREY ALAN RZEPIELA

Executed this 24 day of September, 2001.

  
CARL TREADWELL

Executed this 25 day of Sept, 2001.

Andrew Zeng  
ANDREW ZENG

Executed this 24<sup>th</sup> day of September, 2001.

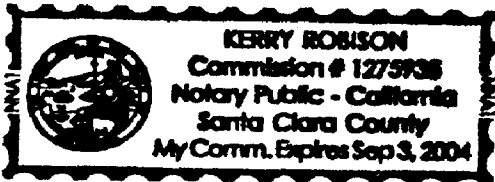
Robert Fiordalice  
ROBERT FIORDALICE

State of California  
County of Santa Clara <sup>ss.</sup>

On Sept 24, 2001 before me, Kerry Robison, Notary Public  
personally appeared Carl Treadwell and Robert Fiordalice

~~personally known to me or 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.~~

WITNESS my hand and official seal.



Kerry Robison  
SIGNATURE OF NOTARY

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara } ss.

On September 25, 2001 before me, Kerry Robison, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Andrew Zeng  
Name(s) of Signer(s)

- personally known to me
- 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.

WITNESS my hand and official seal.

Kerry Robison  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: Patent Assignment

Document Date: 9/25/01 Number of Pages: 2

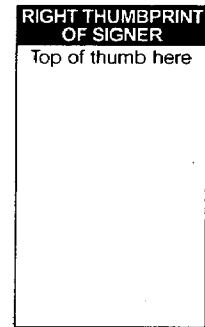
Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer**

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: Himself



**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara } ss.

On September 26, 01 before me, Kerry Robison, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Mehdi Vaez-Ilavani  
Name(s) of Signer(s)

- personally known to me
- 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.

WITNESS my hand and official seal.

Kerry Robison  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: Assignment M-10701 us.

Document Date: 9/26/01 Number of Pages: 2

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer**

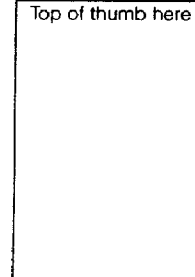
Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: Himself

**RIGHT THUMBPRINT OF SIGNER**

Top of thumb here



**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara } ss.

On Sept 26, 2001, before me, Kerry Robison, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Jeffrey Alan Bzepiela  
Name(s) of Signer(s)

- personally known to me
- 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.

WITNESS my hand and official seal.

Kerry Robison  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: Patent Assignment M-10701US

Document Date: 9/26/01 Number of Pages: 2

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer**

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: Himself

