To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies): James N. Wiley
   Jun Ye
   Shauh-Teh Juang
   David S. Alles
   Yen-Wen Lu
   Yu Cao

2. Name and address of receiving party(ies):
   a) Name: KLA-Tencor
   Address: 160 Rio Robles
            San Jose, CA 95134-1809

3. Nature of conveyance
   ✗ Assignment
   ☐ Security Agreement
   ☐ Merger
   ☐ Change of Name
   ☐ License Agreement

   Execution Date: March 30, 1999, April 21, 1999, April 22, 1999

4. Application Number(s) or Registration Number(s): herewith 09/304437

   The title of the (new) application is: APPARATUS AND METHODS FOR COLLECTING GLOBAL DATA DURING A RETICLE INSPECTION

5. Please send all correspondence concerning this (these) documents to:

   BEYER & WEAVER, LLP
   P.O. Box 61059
   Palo Alto, CA 94306
   Tel. No.: (650) 493-2100
   Fax No.: (650) 493-2102

6. Total number of applications and registrations involved: 1

7. Total fee (37 CFR 3.41): $40.00
   ☑ Enclosed
   ☐ If any additional fees are required the commissioner is authorized to charge such fees to Deposit Account No. 50-0388 (Order No. KLAIP006)

8. 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.

   Date: May 3, 1999

   [Signature]
   Mary R. Olynick
   Registration No. 42,963

Attorney Docket No. KLAIP006
ASSIGNMENT OF PATENT APPLICATION
(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

APPARATUS AND METHODS FOR COLLECTING GLOBAL DATA DURING A RETICLE INSPECTION

(Atty. Docket No.: KLA1P006) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to KLA-Tencor, a Delaware corporation having a place of business at 160 Rio Robles, San Jose, CA 95134-1809, (hereinafter referred to as “ASSIGNEE”), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitute(s) or reissue(s) 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 and 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 representative, and shall be binding upon the inventor(s), as well as the inventor’s heirs, legal representatives and assigns.

5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1. Inventor Signature: James N. Wiley
   Date: April 21, 1999
   State of California
   County of Santa Clara

   On this 21st day of April, in the year 1999, before me, Susan B. McCarthy, personally appeared James N. Wiley, 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: Susan B. McCarthy

Atty Docket No.: KLA1P006
(Updated 06/1978)
2. Inventor Signature:  
Jun Ye

State of California  
County of Santa Clara  

On this 30th day of March, in the year 1999, before me, Susan B. McCarty, personally appeared Jun Ye, 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: Susan B. McCarty

Date: 3/30/99

3. Inventor Signature:  
Shauh-Je Teh Juang

State of California  
County of Santa Clara  

On this 22nd day of April, in the year 1999, before me, Susan B. McCarty, personally appeared Shauh-Teh Juang, 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: Susan B. McCarty

Date: 4/12/99

4. Inventor Signature:  
David S. Alles

State of California  
County of Santa Clara  

On this 22nd day of April, in the year 1999, before me, Susan B. McCarty, personally appeared David S. Alles, 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: Susan B. McCarty

Date: 4/22/99
5. Inventor Signature: Yen-Wen Lu

Yen-Wen Lu

State of California )
County of Santa Clara ) ss.

On this 30th day of March, in the year 1999, before me, Susan B. McCarthy, personally appeared Yen-Wen Lu, 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: Susan B. McCarthy

6. Inventor Signature: Yu Cao

Yu Cao

State of California )
County of Santa Clara ) ss.

On this 30th day of March, in the year 1999, before me, Susan B. McCarthy, personally appeared Yu Cao, 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: Susan B. McCarthy

(SEAL)