



102455737

To: Honorable Commissioner of Patents and Trademarks:  
Please record the attached original document(s) or copy thereof.

10/438963  
05/14/03

- 1. Name of conveying party(ies)
  - a) Joel L. Seligson
  - b) Mark Ghinovker
  - c) John Robinson
  - d) Pavel Izikson
  - e) Michael E. Adel
  - f) Boris Simkin
  - g) David Tulipman

S-14-03

- 2. Name and address of receiving party(ies):
  - 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: Joel L. Seligson-May 8, 2003, Mark Ghinovker-May 8, 2003, John Robinson-May 6, 2003, Pavel Izikson-May 11, 2003, Michael E. Adel-May 11, 2003, Boris Simkin-May 9, 2003 and David Tulipman-May 12, 2003

- 4. Application Number(s) or Patent Number(s): NEW  
The title of the (new) application is:

10438963

**USE OF OVERLAY DIAGNOSTICS FOR ENHANCED AUTOMATIC PROCESS CONTROL**

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

**Beyer Weaver & Thomas, LLP**  
P.O. Box 778  
Berkeley, CA 94704-0778  
Ph: (510) 843-6200  
Fax: (510) 843-6203  
(Customer Number: 022434)

- 6. Total number of applications and patents involved: 1

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

- Enclosed
- Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. KLA1P092D1)

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 14, 2003

Mary R. Olynick  
Registration No. 42,963

05/19/2003 BSAYAS11 00000041 10438963

03 FC:8021

40.00 DP

Attorney Docket No. KLA1P092D1/P999B<sub>1201</sub>)

# ASSIGNMENT OF PATENT APPLICATION

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

## USE OF OVERLAY DIAGNOSTICS FOR ENHANCED AUTOMATIC PROCESS CONTROL


(Atty. Docket No. KLA1P092D1), (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)

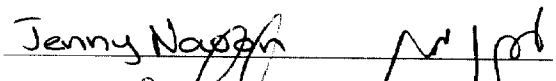
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

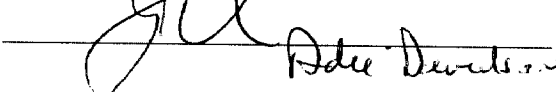
- 1) Sell, assign and transfer to **KLA-Tencor Technologies Corporation**, a California corporation having a place of business at **One Technology Drive, Milpitas, CA 95035** ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based 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) Signature:  Date: May 8, 2003  
Typed Name: Joel L. Seligson

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature:  Date: 8 May 2003  
Printed Name: Jenny Nasson

2) Signature:  Date: May 8, 2003  
Printed Name: Adele Devault

2) Signature: [Signature]  
Typed Name: Mark Ghinovker

Date: May 8, 2003

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: Jenny Naylor [Signature]  
Printed Name: Jenny Naylor

Date: 8th May 2003

2) Signature: [Signature]  
Printed Name: Adele Davidson

Date: May 8, 2003

3) Signature: \_\_\_\_\_  
Typed Name: John Robinson

Date: \_\_\_\_\_

State of Texas )

County of \_\_\_\_\_ )

ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year 200\_\_, before me, \_\_\_\_\_, Notary Public, personally appeared **John Robinson**, 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 \_\_\_\_\_

(SEAL)

4) Signature: [Signature]  
Typed Name: Pavel Izikson

Date: May 11, 2003

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: Jenny Naylor [Signature]  
Printed Name: Jenny Naylor

Date: 11 May 2003

2) Signature: [Signature]  
Printed Name: Adele Davidson

Date: 11 May 2003

5) Signature: [Signature]  
Typed Name: Michael E. Adel

Date: May 11, 2003


If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: [Signature]  
Printed Name: Norm Iznoll

Date: 5/11/03

2) Signature: [Signature]  
Printed Name: Adri Levy

Date: 5/11/03

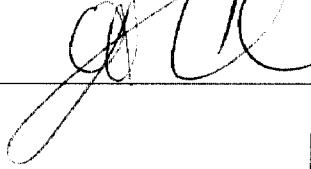
6) Signature:   
Typed Name: Boris Simkin

Date: May 9, 2003

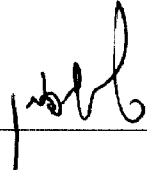
If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: Jenny Newton [unclear] '03  
Printed Name:

Date: 9 May 2003

2) Signature:  Adie Davidson  
Printed Name:

Date: 9 May 2003

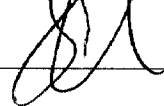
7) Signature:   
Typed Name: David Tulipman

Date: 12/5/03

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: Jenny Newton [unclear] '03  
Printed Name:

Date: 12 May 2003

2) Signature:  Adie Davidson  
Printed Name:

Date: 12 May 2003

# ASSIGNMENT OF PATENT APPLICATION

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

## USE OF OVERLAY DIAGNOSTICS FOR ENHANCED AUTOMATIC PROCESS CONTROL

(Atty. Docket No. KLA1P092D1), (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) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Joel L. Seligson

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Mark Ghinovker

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

3) Signature: [Handwritten Signature] Date: 5/6/03  
Typed Name: John Robinson

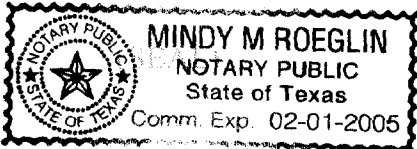
State of Texas )  
County of TRAVIS )

ss.

On this 6th day of May, in the year 2003, before me, Mindy M. Roeglin, Notary Public, personally appeared **John Robinson**, 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 Mindy M. Roeglin



4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Pavel Izikson

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

5) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Michael E. Adel

If signed outside of the United States of America, have two witnesses who also sign below:

1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

6) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Boris Simkin

**If signed outside of the United States of America, have two witnesses who also sign below:**

1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

7) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: David Tulipman

**If signed outside of the United States of America, have two witnesses who also sign below:**

1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_