

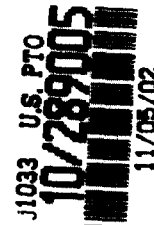
11-13-2002

ASSI



ER SHEET

102278922



To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)

- a) Stan Stokowski
- b) Damon F. Kvamme
- c) Chun Shen Lee
- d) Donald W. Pettibone

11-5-02

2. Name and address of receiving party(ies):

- a) Name: KLA-Tencor Technologies Corporation  
Address: One Technology Drive, Milpitas, California 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: November 1, 2002

4. Application Number(s) or Patent Number(s): New

10,289,005

The title of the (new) application is:

METHOD AND SYSTEM FOR DETECTING PHASE DEFECTS IN LITHOGRAPHIC MASKS AND SEMICONDUCTOR WAFERS

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. KLA1P073)

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: November 5, 2002

Russell N. Swerdon  
Registration No. 36,943

11/08/2002 RADJFC1 00000045 10289005

03 FC:8081

40.00 DP

Attorney Docket No. KLA1P073/P925

(Revised 01/96)

**PATENT**  
**REEL: 013469 FRAME: 0824**

# ASSIGNMENT OF PATENT APPLICATION

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

## METHOD AND SYSTEM FOR DETECTING PHASE DEFECTS IN LITHOGRAPHIC MASKS AND SEMICONDUCTOR WAFERS

(Atty. Docket No. KLA1P073/P925), (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 Delaware 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 (including foreign patents and the right to claim priority) granted upon, 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, 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 representative, 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: Stan Stokowki  
Stan Stokowki

Date: 11/1/02

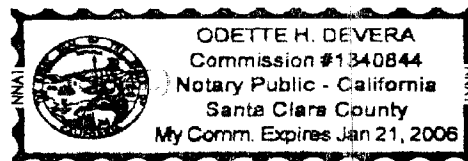
State of California

County of Santa Clara } ss.

On this 1<sup>st</sup> day of November, in the year 2002, before me, Odette Devera, Notary Public, personally appeared Stan Stokowki, 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



2. Inventor Signature: Damon F. Kvamme  
Damon F. Kvamme

Date: 11/1/02

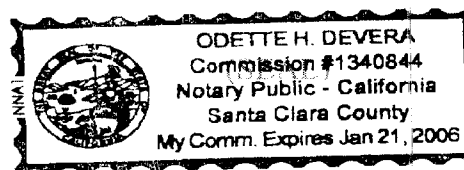
State of California

County of Santa Clara } ss.

On this 1<sup>st</sup> day of November, in the year 2002, before me, Odette Devera, Notary Public personally appeared Damon F. Kvamme, 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: Chun Shen Lee  
Chun Shen Lee

Date: 11/01/02

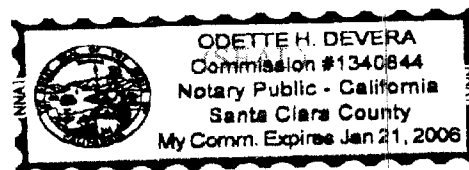
State of California

County of Santa Clara } ss.

On this 1<sup>st</sup> day of November, in the year 2002, before me, Odette Devera, Notary Public, personally appeared Chun Shen Lee, 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: Donald W. Pettibone  
Donald W. Pettibone

Date: 11/01/02

State of California

County of Santa Clara )  
SS.

On this 1st day of November, in the year 2002, before me, Odette Devera, Notary Public, personally appeared Donald W. Pettibone, ~~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

