

03-20-2003

AS:



VER SHEET

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1033 U.S. PTO  
10/379236  
03/03/03

To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)

a) Daniel L. Cavan

3.3.03

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

10379236

Execution Date: February 26, 2003

4. Application Number(s) or Patent Number(s): Filed Herewith

The title of the (new) application is: **METHOD AND APPARATUS FOR IDENTIFYING DEFECTS IN A SUBSTRATE SURFACE USING DITHERING TO RECONSTRUCT UNDER-SAMPLED IMAGES**

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

**Beyer Weaver & Thomas, LLP**  
P.O. Box 778  
Berkeley, CA 94704-0778  
Ph: (650) 961-8300  
Fax: (650) 961-8301  
(Customer Number: 022434)



22434

PATENT AND TRADEMARK OFFICE

6. Total number of applications and patents involved: 1

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

☒ Enclosed  
☒ Any fees are authorized to be charged to Deposit Account No. 50-0388  
(Order No. KLA1P091)

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.

03/19/2003 BYRNE 00000097 10379236

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Date: March 3, 2003

Francis T. Kalinski II  
Registration No. 44,177

Attorney Docket No. KLA1P091/P1040

(Revised 12/01)

**PATENT**  
**REEL: 013854 FRAME: 0326**

# 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 APPARATUS FOR IDENTIFYING DEFECTS IN A SUBSTRATE SURFACE BY USING DITHERING TO RECONSTRUCT UNDER-SAMPLED IMAGES

(Atty. Docket No. KLA1P091/P1040), (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 (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:

Daniel L. Cavan  
Daniel L. Cavan

Date: 26 Feb 2003

State of California )

County of Santa Clara ) SS.

On this 26<sup>th</sup> day of February, in the year 2003, before me, \_\_\_\_\_, Notary Public, personally appeared Daniel L. Cavan, 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

Kerry Robison

