

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michael Adel</td> <td>11/23/2003</td> </tr> <tr> <td>Mark Ghinovker</td> <td>11/20/2003</td> </tr> <tr> <td>Chris A. Mack</td> <td>08/08/2003</td> </tr> </tbody> </table>		Name	Execution Date	Michael Adel	11/23/2003	Mark Ghinovker	11/20/2003	Chris A. Mack	08/08/2003
Name	Execution Date								
Michael Adel	11/23/2003								
Mark Ghinovker	11/20/2003								
Chris A. Mack	08/08/2003								
RECEIVING PARTY DATA									
Name:	KLA-Tencor Technologies Corporation								
Street Address:	One Technology Drive								
City:	Milpitas								
State/Country:	CALIFORNIA								
Postal Code:	95035								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11440562</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11440562				
Property Type	Number								
Application Number:	11440562								
CORRESPONDENCE DATA									
Fax Number:	(510)663-0920								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	510-663-1100								
Email:	kfarrell@beyerlaw.com								
Correspondent Name:	Beyer Weaver LLP								
Address Line 1:	500 12th Street								
Address Line 2:	Suite 200								
Address Line 4:	Oakland, CALIFORNIA 94607								
ATTORNEY DOCKET NUMBER:	KLA1P114D1								
NAME OF SUBMITTER:	Mary R. Olynick								

Total Attachments: 4
 source=Assignment#page1.tif

500476583

**PATENT
 REEL: 020586 FRAME: 0233**

CH \$40.00 11440562

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

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 MARK FOR METROLOGY OF PHASE ERRORS ON PHASE SHIFT MASKS


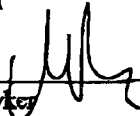
(Atty. Docket No. KLAIP114/P1174), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. 10/423,827. (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)	Signature: 	Date: <u>November 23rd 2003</u>
	Typed Name: Michael Adel	
2)	Signature: 	Date: <u>November 20, 2003</u>
	Typed Name: Mark Ghinovici	



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

- 1) Signature: Jenny Navon [Signature] Date: 11/20/03
Printed Name: [Signature]
- 2) Signature: [Signature] Date: 11/23/03
Printed Name: [Signature]

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 MARK FOR METROLOGY OF PHASE ERRORS ON PHASE SHIFT MASKS

(Atty. Docket No. KLA1P114/P1174), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
 which bears U.S. application No. 10/423,827. (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 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. Inventor Signature: *Chris A. Mack*
Chris A. Mack

Date: August 8, 2003

State of Texas)
County of Travis) ss.

On this 8th day of August, in the year 2003, before me, Mindy M. Roeglin, Notary Public personally appeared Chris A. Mack, 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*

