

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shouhong Tang</td> <td>04/15/2013</td> </tr> <tr> <td>Chunhai Wang</td> <td>04/15/2013</td> </tr> <tr> <td>Andrew An Zeng</td> <td>04/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Shouhong Tang	04/15/2013	Chunhai Wang	04/15/2013	Andrew An Zeng	04/15/2013		
Name	Execution Date										
Shouhong Tang	04/15/2013										
Chunhai Wang	04/15/2013										
Andrew An Zeng	04/15/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>KLA-Tencor Corporation</td> </tr> <tr> <td>Street Address:</td> <td>One Technology Drive</td> </tr> <tr> <td>City:</td> <td>Milpitas</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95035</td> </tr> </table>		Name:	KLA-Tencor Corporation	Street Address:	One Technology Drive	City:	Milpitas	State/Country:	CALIFORNIA	Postal Code:	95035
Name:	KLA-Tencor Corporation										
Street Address:	One Technology Drive										
City:	Milpitas										
State/Country:	CALIFORNIA										
Postal Code:	95035										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13864701</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13864701						
Property Type	Number										
Application Number:	13864701										
CORRESPONDENCE DATA											
<p>Fax Number: 4024960333  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 402.496.0300        Email: file@suiter.com        Correspondent Name: Suiter Swantz/KLA Joint Customer Number        Address Line 1: 14301 FNB Parkway        Address Line 2: Suite 220        Address Line 4: Omaha, NEBRASKA 68154-5299</p>											
ATTORNEY DOCKET NUMBER:	P4024										
NAME OF SUBMITTER:	Miao Liu										
Signature:	/miao liu/										

Date:

04/17/2013

Total Attachments: 5

source=P4024\_Assignment#page1.tif

source=P4024\_Assignment#page2.tif

source=P4024\_Assignment#page3.tif

source=P4024\_Assignment#page4.tif

source=P4024\_Assignment#page5.tif

Please return signed/Recorded to:

CUSTOMER No. 78238  
Sean Patrick Suiter  
SUITER • SWANTZ PC LLO  
14301 FNB Parkway, Suite 220  
Omaha, NE 68154-5299

ASSIGNMENT OF U.S. PATENT APPLICATION  
(sole or joint inventor(s))

WHEREAS, the undersigned, to wit:

- 1) Shouhong Tang
- 2) Chunhai Wang
- 3) Andrew An Zeng

(hereinafter collectively ASSIGNOR), have made application for United States Letters Patent

(a)   X   which was executed and is being filed herewith in the United States Patent and Trademark Office, titled REDUCING REGISTRATION ERROR OF FRONT AND BACK WAFER SURFACES UTILIZING A SEE-THROUGH CALIBRATION WAFER.

(b) \_\_\_\_\_ which was filed on \_\_\_\_\_ and titled \_\_\_\_\_

(c) \_\_\_\_\_ which was filed on \_\_\_\_\_ and known as Appln. No. \_\_\_\_\_, titled \_\_\_\_\_

AND WHEREAS, KLA-Tencor Corporation (hereinafter ASSIGNEE), organized and existing under the laws of Delaware, and having its principal place of business at One Technology Drive, Milpitas, CA, 95035, is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives its entire right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for said

invention, or patents resulting therefrom, insofar as ASSIGNOR's interest is concerned, to the said ASSIGNEE of ASSIGNOR's entire right, title and interest.

ASSIGNOR also hereby sells and assigns to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

ASSIGNOR further agrees to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.


ASSIGNOR hereby further agrees to communicate with said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

ASSIGNOR hereby grant(s) the firm of SUITER • SWANTZ PC LLO or its agents the power to insert on this assignment any further identification, including but not limited to application number(s) and filing dates, which may be necessary or desirable in order to comply with any rule or request of the United States Patent and Trademark office for the purposes of recording this document.

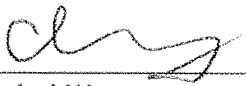
First named inventor

Name:   
Shouhong Tang

Date: 4/15/2013

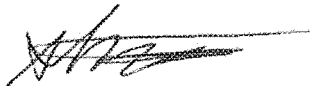
Witness Signature:  4/15/13  
Witness Printed Name: RAYMOND CHU  
Witness Address: 20221 BOLLINGER RD  
CUPERTINO, CA 95014

Second named inventor

Name:   
Chunhai Wang

Date: 4/15/2013

Witness Signature:



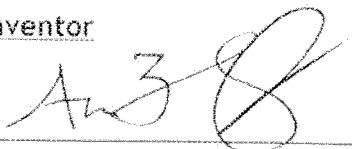
Witness Printed Name:


SHOUHONG TANG

Witness Address:

160 Mark Twain Ct.  
Santa Clara, CA 95050

Third named inventor

Name:  Date: 4/15/2013  
Andrew An Zeng

Witness Signature:   
Witness Printed Name: SHOUHONG TANG  
Witness Address: 160 Mark Twain Ct.  
Santa Clara, CA 95050