

## PATENT ASSIGNMENT

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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>Chunhai Wang</td> <td>07/26/2012</td> </tr> <tr> <td>Chunsheng Huang</td> <td>07/26/2012</td> </tr> <tr> <td>Andrew An Zeng</td> <td>07/26/2012</td> </tr> <tr> <td>Frederick Arnold Goodman</td> <td>07/26/2012</td> </tr> <tr> <td>Shouhong Tang</td> <td>07/26/2012</td> </tr> <tr> <td>Yi Zhang</td> <td>07/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chunhai Wang	07/26/2012	Chunsheng Huang	07/26/2012	Andrew An Zeng	07/26/2012	Frederick Arnold Goodman	07/26/2012	Shouhong Tang	07/26/2012	Yi Zhang	07/26/2012
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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				
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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>13561377</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13561377										
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Application Number:	13561377														
CORRESPONDENCE DATA															
Fax Number:	4024960333														
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ATTORNEY DOCKET NUMBER:	KLA P3821														

CH \$40.00 13561377

NAME OF SUBMITTER:

Shane R. Thielen

Total Attachments: 8

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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) Chunhai Wang
- 2) Chunsheng Huang
- 3) Andrew An Zeng
- 4) Frederick Arnold Goodman
- 5) Shouhong Tang
- 6) Yi Zhang

(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 METHOD AND APPARATUS TO FOLD OPTICS IN TOOLS FOR MEASURING SHAPE AND/OR THICKNESS OF A LARGE AND THIN SUBSTRATE.

(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.

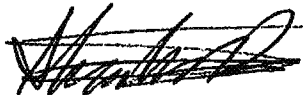
First named inventor

Name:  Date: 7/26/2012  
Chunhai Wang

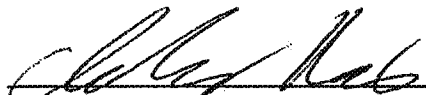
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Witness Printed Name:

Witness Address:

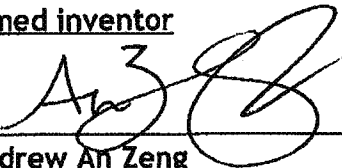
  
SHOUHONG TANG  
160 Mark Twain Ct  
Santa Clara, CA 95050

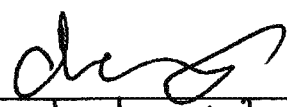
Second named inventor

Name:  Date: 7/26/2012  
Chunsheng Huang

Witness Signature:  Chunhai Wang  
Witness Printed Name: 5026 Blackbird Way  
Witness Address: Pleasanton CA, 94566  
Chunhai Wang

Third named inventor

Name:  Date: 7/26/2012  
Andrew An Zeng

Witness Signature:   
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Witness Address: 5026 Blackbird Way  
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Fourth named inventor

Name: Frederick A. Goodman  
Frederick Arnold Goodman

Date: JULY 26, 2012

Witness Signature:

Chunhai WANG  
Chunhai WANG  
5026 Blackbird Way  
Pleasanton CA 94566

Witness Printed Name:

Witness Address:




Fifth named inventor

Name:   
Shouhong Tang

Date: 7/26/2002


Witness Signature:

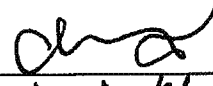
  
Chunghai Wang  
5026 Blackbird Way  
Pleasanton, CA 94566

Witness Printed Name:

Witness Address:

Sixth named inventor

Name:  Date: 7/26/2012  
Yi Zhang

Witness Signature:   
Witness Printed Name: 5026 Blackbird Way  
Witness Address: Pleasanton, CA 94566  
Chunhai Wang