

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
<b>CONVEYING PARTY DATA</b>																					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zhiwei Xu</td> <td>05/28/2013</td> </tr> <tr> <td>Christian Wolters</td> <td>05/28/2013</td> </tr> <tr> <td>Juergen Reich</td> <td>05/28/2013</td> </tr> <tr> <td>Bret Whiteside</td> <td>05/28/2013</td> </tr> <tr> <td>Guoheng Zhao</td> <td>05/28/2013</td> </tr> <tr> <td>Jijen Vazhaeparambil</td> <td>05/28/2013</td> </tr> <tr> <td>Stephen Biellak</td> <td>05/28/2013</td> </tr> <tr> <td>Sam Shamouilian</td> <td>05/28/2013</td> </tr> <tr> <td>Mehdi Vaez-Iravani</td> <td>05/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Zhiwei Xu	05/28/2013	Christian Wolters	05/28/2013	Juergen Reich	05/28/2013	Bret Whiteside	05/28/2013	Guoheng Zhao	05/28/2013	Jijen Vazhaeparambil	05/28/2013	Stephen Biellak	05/28/2013	Sam Shamouilian	05/28/2013	Mehdi Vaez-Iravani	05/28/2013
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Sam Shamouilian	05/28/2013																				
Mehdi Vaez-Iravani	05/28/2013																				
<b>RECEIVING PARTY DATA</b>																					
Name:	KLA-Tencor Corporation																				
Street Address:	One Technology Drive																				
City:	Milpitas																				
State/Country:	CALIFORNIA																				
Postal Code:	95035																				
<b>PROPERTY NUMBERS Total: 1</b>																					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13834662</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13834662																
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<b>CORRESPONDENCE DATA</b>																					
Fax Number:	4024960333																				
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P3937

NAME OF SUBMITTER:

Faisal K. Abou-Nasr

Signature:

/faisal k abounasr/

Date:

05/30/2013

Total Attachments: 11

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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) Zhiwei Xu
- 2) Christian Wolters
- 3) Juergen Reich
- 4) Bret Whiteside
- 5) Guoheng Zhao
- 6) Jijen Vazhaeparambil
- 7) Stephen Biellak
- 8) Sam Shamouilian
- 9) Mehdi Vaez-Iravani

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

- (a) \_\_\_\_\_ which was executed and is being filed herewith in the United States Patent and Trademark Office
- (b) \_\_\_\_\_ which was filed on \_\_\_\_\_ and titled \_\_\_\_\_
- (c)  X  which was filed on March 15, 2013 and known as Appln. No. 13/834,662, titled MULTI-SPOT DEFECT INSPECTION SYSTEM

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.

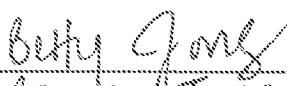
ASSIGNOR hereby further agrees to communicate with said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, 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:   
Zhiwei Xu

Date: 5/28/2017

Witness Signature:   
Witness Printed Name: BERRY JONG  
Witness Address: KLA-Tencor  
One Technology Drive  
Milpitas, CA 95035

Second named inventor

Name:  Date: 5/28/2017  
Christian Wolters

Witness Signature:   
Witness Printed Name: BETTY JONG  
Witness Address: KLA-TENER  
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Third named inventor

Name: J. Reich Date: 5/29/13  
Juergen Reich

Witness Signature: Betty Jung  
Witness Printed Name: BETTY JUNG  
Witness Address: KLA-Tencor  
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Milpitas, CA 95035


Fourth named inventor


Name: Bret Whiteside Date: May 28, 2013  
Bret Whiteside

Witness Signature: Bethy Jones  
Witness Printed Name: BETTY JONES  
Witness Address: KLA-Tencor  
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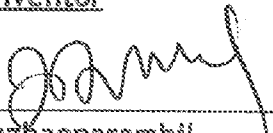



Fifth named inventor

Name:  Date: 5/28/2013  
Guoheng Zhao

Witness Signature:   
Witness Printed Name: BETTY JONG  
Witness Address: KLA-Tencor  
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Milpitas, CA 95035

Sixth named inventor

Name:  Date: 5/28/2013  
Jijen Vazhaeparambil

Witness Signature:   
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Milpitas, CA 95035

Seventh named inventor

Name: Stephen A. Bellak Date: 5-28-13  
Stephen Bellak

Witness Signature:

Witness Printed Name:

Witness Address:

Betty Jong  
BETTY JONG  
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Milpitas, CA 95035

Eighth named inventor

Name: Shamouil/Shamouil Date: 5/28/13  
Sam Shamouillan

Witness Signature:

Betty Tong


Witness Printed Name:

BETTY TONG

Witness Address:

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Milpitas, CA 95035

Ninth named inventor

Name:  Date: 5/28/2013  
Mehdi Vaez-Iravani

Witness Signature: Bethy Jong  
Witness Printed Name: BETTY JONG  
Witness Address: KLA-Tencor  
One Technology Drive  
Milpitas, CA 95035