

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>Upendra Ummethala</td> <td>10/03/2012</td> </tr> <tr> <td>Layton Hale</td> <td>09/26/2012</td> </tr> <tr> <td>Josh Clyne</td> <td>10/05/2012</td> </tr> <tr> <td>Samir Nayfeh</td> <td>01/16/2013</td> </tr> <tr> <td>Mark Williams</td> <td>01/23/2013</td> </tr> <tr> <td>Joseph A. DiRegolo</td> <td>09/27/2012</td> </tr> <tr> <td>Andrew Wilson</td> <td>09/28/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Upendra Ummethala | 10/03/2012 | Layton Hale | 09/26/2012 | Josh Clyne | 10/05/2012 | Samir Nayfeh | 01/16/2013 | Mark Williams | 01/23/2013 | Joseph A. DiRegolo | 09/27/2012 | Andrew Wilson | 09/28/2012 |
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| Joseph A. DiRegolo | 09/27/2012 | | | | | | | | | | | | | | | | |
| Andrew Wilson | 09/28/2012 | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | |
| 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>13824079</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13824079 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 13824079 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
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| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | P3727 | | | | | | | | | | | | | | | | |

CH \$40.00 13824079

NAME OF SUBMITTER:

Chad W. Swantz

Total Attachments: 9

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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) Upendra Ummethala
- 2) Layton Hale
- 3) Joshua Clyne
- 4) Samir Nayfeh
- 5) Mark Williams
- 6) Joseph A. DiRegolo
- 7) Andrew Wilson

(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 LINEAR STAGE FOR REFLECTIVE ELECTRON BEAM LITHOGRAPHY.
- (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.

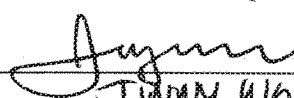
First named inventor

Name:  Date: 10/31/2012
Upendra Ummethala

Witness Signature:

Witness Printed Name:

Witness Address:

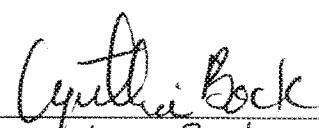

JIMMY WHALEN
1 Technology Dr.
Millersville, CA 95035
USA

Second named inventor

Name: 
Layton Hale

Date: 9-26-2012

Witness Signature:



Witness Printed Name:


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Milpitas, CA 95035


Third named inventor

Name:  Date: 10/5/12
Josh Clyne

Witness Signature: 
Witness Printed Name: Maria Torres
Witness Address: 358 Orchard Ave
Sunnyvale CA 94085

Fourth named inventor

Name:


Samir Nayfeh

Date:

1/16/2013

Witness Signature:



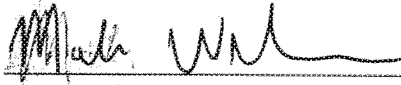
Witness Printed Name:

Sherin Ashkar Nayfeh

Witness Address:

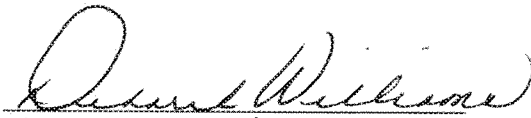
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Fifth named inventor

Name: 
Mark Williams

Date: 1/23/2013

Witness Signature:



Witness Printed Name:

Deborah Williams

Witness Address:

9 Salt Marsh Cove
Beaufort SC 29907

Sixth named inventor

Name: *Joseph A. Di Regolo* Date: 9-27-12
~~Joe Di Regolo~~ Joseph A. Di Regolo

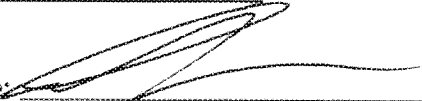
gr 9-27-12

Witness Signature: *Cynthia K. Dawn*

Witness Printed Name: CYNTHIA K. DAWN

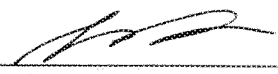
Witness Address: 1 TECHNOLOGY DR.
MILPITAS, CA 95035

Seventh named inventor

Name: 
Andrew Wilson

Date: 9/28/2012

Witness Signature:



Witness Printed Name:

Alexandra Talcott

Witness Address:

45 Greenway Terrace
Forest Hills, NY
11375