

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4977474

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT HAYNES	06/21/2017
ARON WELK	06/21/2017
TOMAS PLETTNER	01/23/2018
JOHN GERLING	06/21/2017
MEHRAN NASSER GHODSI	01/26/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KLA-TENCOR CORPORATION
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<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95035
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15612862
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<b>NAME OF SUBMITTER:</b>	MATTHEW A. POULSEN
<b>SIGNATURE:</b>	/matthew a poulsen/
<b>DATE SIGNED:</b>	05/24/2018
<b>Total Attachments: 7</b>	

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source=P5054\_AssignmentFILED\_05-24-18#page7.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. Robert Haynes
2. Aron Welk
3. Tomas Plettner
4. John Gerling
5. Mehran Nasser Ghodsi

(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, titled MULTI-COLUMN SCANNING ELECTRON MICROSCOPY SYSTEM

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

(c)  X  which was filed on June 2, 2017 and known as Appln. No. 15/612,862, titled MULTI-COLUMN SCANNING ELECTRON MICROSCOPY 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.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Robert Haynes  
First Inventor's Signature

6/21/2017  
DATE

Robert Haynes  
Inventor's Printed Name

Witness Signature:

Hugo Luna Kohn 6/21/17

Witness Printed Name:

Witness Address:

HUGO LUNA KOHN  
270 SUNNY OAKS AVE  
CAMPBELL CA. 95008


IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

  
\_\_\_\_\_  
Second Inventor's Signature

6-21-17  
\_\_\_\_\_  
DATE

Aron Welk  
\_\_\_\_\_  
Inventor's Printed Name

Witness Signature:

  
\_\_\_\_\_

Witness Printed Name:

Witness Address:

HUGO LUNA KOHN  
\_\_\_\_\_  
270 SUNNY OAKS AVE  
\_\_\_\_\_  
CAMPBELL CA. 95008  
\_\_\_\_\_

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

  
Third Inventor's Signature

11/23/2018  
DATE


Tomas Plettner  
Inventor's Printed Name

Witness Signature: 

Witness Printed Name: VAROUJAN CHAKARIAN

Witness Address: 1 Technology Drive  
Milpitas CA 95035

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

 6-21-17  
Fourth Inventor's Signature DATE

John Gerling  
Inventor's Printed Name

Witness Signature:

  
\_\_\_\_\_

Witness Printed Name:

Hugo Loma Kolan

Witness Address:

270 SUNDY AVE  
CAMPBELL CA. 95008



IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

Mehran Nasser Ghodsi 1/26/18  
Fifth Inventor's Signature DATE

Mehran Nasser Ghodsi  
Inventor's Printed Name

Witness Signature: F. Ghavimi

Witness Printed Name: Dr. F. Ghavimi

Witness Address: 245 E 93rd St. #23H  
NYC, NY, 10128