

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6033196

<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 M. DANEN	08/09/2018
DMITRI G. STARODUB	08/09/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KLA-TENCOR CORPORATION
<b>Street Address:</b>	ONE TECHNOLOGY DRIVE
<b>City:</b>	MILPITAS
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95035
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16802542
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)228-3739
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	510-900-9501
<b>Email:</b>	jmcgahey@kwanip.com
<b>Correspondent Name:</b>	KWAN & OLYNICK LLP
<b>Address Line 1:</b>	2000 HEARST AVENUE
<b>Address Line 2:</b>	SUITE 305
<b>Address Line 4:</b>	BERKELEY, CALIFORNIA 94709
<b>ATTORNEY DOCKET NUMBER:</b>	KLA1P271D1/P5282DIV
<b>NAME OF SUBMITTER:</b>	MARY RAMOS OLYNICK
<b>SIGNATURE:</b>	/Mary Ramos Olynick, Reg. No. 42,963/
<b>DATE SIGNED:</b>	03/26/2020
<b>Total Attachments: 2</b>	
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### ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the following patent applications:

(1) the U.S. patent application entitled: **PHASE FILTER FOR ENHANCED DEFECT DETECTION IN MULTILAYER STRUCTURE** (Atty. Docket No. KLA1P271/P5282), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)
- which bears U.S. application No. \_\_\_\_\_ (Not accompanying)

(2) the U.S. provisional application entitled: **BROADBAND PLASMA (BBP) PHASE FILTER FOR 3D NAND INSPECTION**, which bears U.S. application No. 62/673,518 . (Not accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

1) Sell, assign and transfer to KLA-Tencor Corporation, a Delaware corporation having a place of business at One Technology Drive, Milpitas, California 95035 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced applications.

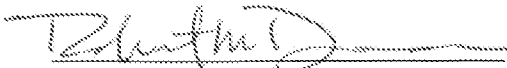
2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.

3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.

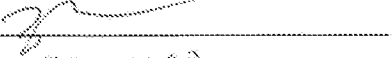
4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.

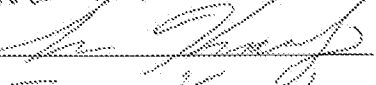
5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.


Signed on the date indicated beside my signature.

1) Signature:  Date: Aug 9, 2018  
 Typed Name: Robert M. Danen

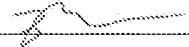
Please have two witnesses (for the execution of this document) sign below:

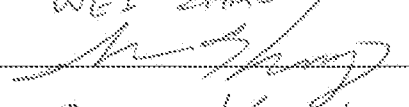
1) Signature:  Date: 8/9/18  
 Printed Name: WES ZHANG

2) Signature:  Date: 8/9/18  
 Printed Name: Soren Kenocky

2) Signature:  Date: 8/9/18  
Typed Name: Dmitri G. Starodub

Please have two witnesses (for the execution of this document) sign below:

1) Signature:  Date: 8/9/18  
Printed Name: WES ZHAO

2) Signature:  Date: 8/9/18  
Printed Name: Soran Knocky