

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5078795

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
ZETA INSTRUMENTS, INC.	08/01/2018

**RECEIVING PARTY DATA**

<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

**PROPERTY NUMBERS Total: 33**

Property Type	Number
Patent Number:	7729049
Patent Number:	7944609
Patent Number:	8184364
Patent Number:	8174762
Patent Number:	9389408
Application Number:	61367352
Application Number:	15150406
Application Number:	15150411
PCT Number:	US2011044045
Patent Number:	9036869
Application Number:	61378794
Patent Number:	9664888
Patent Number:	9645381
Patent Number:	7110106
Application Number:	13333938
Application Number:	61430937
PCT Number:	US2011067044
Patent Number:	8976366
Application Number:	61501696
Patent Number:	8830456

PATENT

Property Type	Number
Patent Number:	8896825
Patent Number:	8830457
Patent Number:	8836935
Patent Number:	8848181
Patent Number:	9784691
Application Number:	15607648
Patent Number:	9921169
Application Number:	15159626
Application Number:	15200586
Application Number:	15233812
Application Number:	15338838
Application Number:	15346594
Application Number:	15346607

**CORRESPONDENCE DATA**

**Fax Number:** (408)645-6548  
*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.*

**Phone:** 925-699-4238  
**Email:** crednick@beverlaw.com  
**Correspondent Name:** BEVER, HOFFMAN & HARMS, LLP  
**Address Line 1:** 39500 STEVENSON PLACE  
**Address Line 2:** SUITE 209  
**Address Line 4:** FREMONT, CALIFORNIA 94539

<b>ATTORNEY DOCKET NUMBER:</b>	KLA-ZET-ACQ-ASGN
<b>NAME OF SUBMITTER:</b>	PATRICK T BEVER
<b>SIGNATURE:</b>	/Patrick T. Bever/
<b>DATE SIGNED:</b>	08/01/2018

**Total Attachments: 4**  
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## PATENT ASSIGNMENT

WHEREAS, Zeta Instruments, Inc., a Delaware corporation, having a place of business located at 2528 Qume Drive, Suite 12, San Jose, California 95131 (hereinafter "ASSIGNOR"), hereby represents and warrants that it is the sole and exclusive owner of the entire right, title, and interest in, to and under the Patent Items (as defined below).

WHEREAS, KLA-Tencor Corporation, a Delaware corporation (hereinafter "ASSIGNEE"), has acquired ASSIGNOR's entire right, title and interest in, to and under (i) the patents and patent applications identified in the schedule attached hereto (hereinafter "SCHEDULE A"), and all provisional applications relating thereto; (ii) all patents issuing on any patent applications identified in SCHEDULE A; (iii) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to or based on any of the foregoing items in (i) or (ii) above, along with all patents issuing therefrom; and (iv) all inventions and improvements claimed or described in any of the foregoing items (i), (ii) or (iii) (subsections (i), (ii), (iii) and (iv) hereinafter collectively referred to as the "Patent Items").

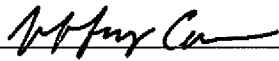
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR and ASSIGNEE agree as follows:

1. ASSIGNOR does acknowledge that ASSIGNOR has sold, assigned, transferred, conveyed, and delivered, and by these presents does hereby sell, assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assigns, ASSIGNOR's entire right, title and interest throughout the world in, to and under the Patent Items, including without limitation all foreign patents and any rights of priority based on or related to the Patent Items.
2. ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America, and any Official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to issue all patents for the Patent Items to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this Patent Assignment.
3. ASSIGNOR does acknowledge that ASSIGNOR has sold, assigned, transferred, conveyed, and delivered, and by these presents does hereby sell, assign, transfer, convey and deliver to ASSIGNEE, its successors, legal representatives and assigns, ASSIGNOR's entire rights of enforcement, all of ASSIGNOR's claims for damages and remedies arising out of, relating to or resulting from the Patent Items or any violations) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Patent Items, and all other rights, including common law rights, that ASSIGNOR may have relating to the Patent Items, including but not limited to any ongoing or prospective royalties to which ASSIGNOR may be entitled, or that ASSIGNOR may collect for any infringements of any of the Patent Items or from any settlement or agreement related to the Patent Items arising before or after the date of this Patent Assignment, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Patent Assignment had not been made.

4. ASSIGNOR hereby represents and warrants that ASSIGNOR has full right, power and authority to self, assign, transfer, convey and deliver all of the subject matter set forth herein, and hereby covenants and agrees that ASSIGNOR will communicate promptly to ASSIGNEE, its successors, legal representatives and assigns, all facts know to ASSIGNOR respecting the Patent Items, and will testify in any legal proceeding, sign all lawful papers, transfer all file histories, make diligent effort to find or reach every inventor of the Patent Items required in connection with preparation of any lawful document or proceeding relating to the Patent Items, make reasonable efforts to obtain all required signed and executed documents relating to the Patent Items from every inventor named in the Patent Items, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce patent protection to the Patent Items on a worldwide basis in all countries.

IN WITNESS WHEREOF, I hereunto set my hand this 1st day of August, 2018.

Zeta Instruments, Inc.

By:   
Name: Jeffrey Cannon  
Title: Secretary

KLA-Tencor Corporation

By: \_\_\_\_\_  
Name:  
Title:

**SCHEDULE A**

Atty. Dkt. No.	Client Ref.	Country	Status	Filing Date	Serial No.	Granted	Patent No.
ZET-001(RCE)	P5163	United States	Granted	5/26/2007	11/754,282	6/1/2010	7,729,049
ZET-001-1D	P5163/1	United States	Granted	2/3/2010	12/699,821	5/17/2011	7,944,609
ZET-001-1P(RCE)	P5163/2	United States	Granted	6/27/2008	12/147,478	5/22/2012	8,184,364
ZET-001-2D(RCE)	P5163/3	United States	Granted	2/3/2010	12/699,824	5/8/2012	8,174,762
ZET-002	P5164/1	United States	Granted	6/29/2011	13/172,686	7/12/2016	9,389,408
ZET-002(PRV)	P5164	United States	Inactive	7/23/2010	61/367,352		
ZET-002-1C	P5164/2	United States	Pending	5/9/2016	15/150,406		
ZET-002-1D	P5164/3	United States	Pending	5/9/2016	15/150,411		
ZET-002F1	P5164WO	PCT	Inactive	7/14/2011	PCT/US11/044045		
ZET-003	P5165/1	United States	Granted	8/29/2011	13/220,595	5/19/2015	9,036,869
ZET-003(PRV)	P5165	United States	Inactive	8/31/2010	61/378,794		
ZET-003-1C	P5165/2	United States	Granted	4/21/2015	14/691,885	5/30/2017	9,664,888
ZET-003-2C	P5165/3	United States	Granted	4/21/2015	14/691,908	5/9/2017	9,645,381
ZET-004	P5166	United States	Granted	10/28/2004	10/977,084	9/19/2006	7,110,106
ZET-005	P5167/1	United States	Pending	12/21/2011	13/333,938		
ZET-005(PRV)	P5167	United States	Inactive	1/7/2011	61/430,937		
ZET-005F1	P5167	PCT	Inactive	12/22/2011	PCT/US2011/067044		
ZET-005F2	P5167CN	China P.R.	Inactive	12/22/2011	201180064272.2	8/10/2016	CN103282818B
ZET-005F2-1D	P5167CN/1	China P.R.	Inactive	12/2/2011	201510309903.2		
ZET-005F2-2D	P5167CN	China P.R.	Inactive	12/22/2011	201510311788.2		
ZET-006	P5168/1	United States	Granted	6/12/2012	13/494,949	3/10/2015	8,976,366
ZET-006(PRV)	P5168	United States	Inactive	6/27/2011	61/501,696		

**SCHEDULE A**

Country	Serial Number	Filing Date	Patent Number	Issue Date
US	13/757,099	2/1/2013	8,830,456	9/9/2014
US	13/757,154	2/1/2013	8,896,825	11/25/2014
US	13/861,378	4/12/2013	8,830,457	9/9/2014
US	13/861,382	4/12/2013	8,836,935	9/16/2014
US	13/861,383	4/12/2013	8,848,181	9/30/2014
US	14/449,058	7/31/2014	9,784,691	10/10/2017
US	15/607,648	5/29/2017		
US	15/159,266	5/19/2016	9,921,169	3/20/2018
US	15/159,626	5/19/2016		
US	15/200,586	7/1/2016		
US	15/233,812	8/10/2016		
US	15/338,838	10/31/2016		
US	15/346,594	11/8/2016		
US	15/346,607	11/8/2016		