504133380 12/18/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIYOU FU	09/25/2016
STILIAN IVANOV PANDEV	09/20/2016
KEVIN A. PETERLINZ	11/03/2016
NOAM SAPIENS	09/27/2016

RECEIVING PARTY DATA

Name:	KLA-TENCOR CORPORATION
Street Address:	ONE TECHNOLOGY DRIVE
City:	MILPITAS
State/Country:	CALIFORNIA
Postal Code:	95035

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15271179

CORRESPONDENCE DATA

Fax Number: (650)307-0332

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: 6503070332

Email: isabelle@spanolawgroup.com

JOSEPH S SPANO **Correspondent Name:**

Address Line 1: 851 BURLWAY ROAD, SUITE 407 Address Line 4: **BURLINGAME, CALIFORNIA 94010**

ATTORNEY DOCKET NUMBER:	KLA-082 (P4769)
NAME OF SUBMITTER:	JOSEPH S. SPANO
SIGNATURE:	/Joseph S. Spano/
DATE SIGNED:	12/18/2016

Total Attachments: 4

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PATENT REEL: 040653 FRAME: 0903

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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Jiyou Fu, 1303 Glenmoor Way, San Jose, California 95129; Noam Sapiens, 10403 Denison Avenue, Cupertino, California 95014; Kevin A. Peterlinz, 7566 May Way, San Ramon, CA 94583; Srilian Ivanov Pandev, 2452 Rebecca Lynn Way, Santa Clara, California 95050; (hereinafter referred to as ASSIGNORS), having post office addresses that follow our names, are the joint inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "Spectroscopic Beam Profile Overlay Metrology," which was filed on September 20, 2016, and now has U.S. Application Ser. No. 15/271,179;

WHEREAS, KLA-Tencor Corporation, (hereafter referred to as ASSIGNEE), a corporation organized under the laws of Delaware and having a place of business at One Technology Drive, Milpitas, California 95035, is desirous of acquiring the entire right, title, and interest in and to the invention and in and to any letters patents that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is bereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, its successors and assigns, the entire right, title, and interest in and to said invention, said application and any and all letters patents which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE, its successors and assigns, and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patents on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patents on said invention to ASSIGNEE. its successors and assigns. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patents on said invention, for litigation regarding said letters patents, or for the purpose of protecting title to said invention or letters patents therefor.

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

9	Jiyou Fu	9/25/10
Inventor's Signature	Inventor's Printed Name	Date
	Noam Sapiens	
Inventor's Signature	Inventor's Printed Name	Date

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Assignment of application ent Docket Number: KLA-082 (P47	itled: "Spectroscopic Beam Profile Overla 69)	y Metrology"
	<u>Kevin A. Peterlinz</u>	
Inventor's Signature	Inventor's Printed Name	Date
	Stilian Ivanov Pandev	9/20/2016
Inventor's Signature	Inventor's Printed Name	Date

Docket Number: KLA-082 (P4769)	Specifoscopic Beam Frome Over	tay inetrology
Inventor's Signature	Kevin A. Peterlinz Inventor's Printed Name	1/03/2016 Date
	Stilian Ivanov Pandev	
Inventor's Signature	Inventor's Printed Name	Date

Attorney Docket Number: KLA-082 (P4769)

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, we, Jiyou Fu, 1303 Glenmoor Way, San Jose, California 95129; Noam Sapiens, 10403 Denison Avenue, Cupertino, California 95014; Kevin A. Peterlinz, 7566 May Way, San Ramon, CA 94583; Stilian Ivanov Pandev, 2452 Rebecca Lynn Way, Santa Clara, California 95050; (hereinafter referred to as ASSIGNORS), having post office addresses that follow our names, are the joint inventors of the invention described and claimed in the specification forming part of the United States patent application entitled "Spectroscopic Beam Profile Overlay Metrology," which was filed on September 20, 2016, and now has U.S. Application Ser. No. 15/271,179;

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NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, and transfer unto said ASSIGNEE, its successors and assigns, the entire right, title, and interest in and to said invention, said application and any and all letters patents which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE, its successors and assigns, and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention, application and all letters patents on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer, and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patents on said invention to ASSIGNEE, its successors and assigns. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patents on said invention, for litigation regarding said letters patents, or for the purpose of protecting title to said invention or letters patents therefor.

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

Jiyou Fu		
Inventor's Signature	Inventor's Printed Name	Date
1189	Noam Sapiens	9/27/16
Inventor's Signature	Inventor's Printed Name	Date

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