

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4593330

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AJAY GUPTA	08/04/2016
THANH HUY HA	06/20/2016
OLIVIER MOREAU	06/02/2016
KUMAR RAJA	11/10/2016
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:	15170881
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	212-861-1352
Email:	mewherter@entropymatters.com
Correspondent Name:	ENTROPY MATTERS LLC
Address Line 1:	P.O. BOX 2250
Address Line 4:	NEW YORK, NEW YORK 10021
ATTORNEY DOCKET NUMBER:	5222-31800/P4750
NAME OF SUBMITTER:	ANN MARIE MEWHERTER
SIGNATURE:	/Ann Marie Mewherter/
DATE SIGNED:	09/14/2017
Total Attachments: 9	
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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to KLA-TENCOR CORPORATION (the "Assignee"), a Delaware corporation having its principal place of business at One Technology Drive, Milpitas, CA 95035 the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent Serial No. 15/170,881 filed June 1, 2016 entitled "DETERMINING MULTI-PATTERNING STEP OVERLAY ERROR," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

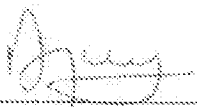
AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee; and

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) 
Name: Ajay Gupta

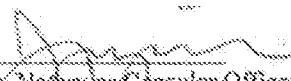
Date: 8/4/2016

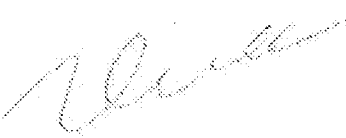
STATE OF _____ §

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this 4 day of August 2016, personally appeared Ajay Gupta known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]


Witness, Notary or Consular Officer

(Signature) 
Name: Thanh Huy Ha

Date: 06/30/2016

STATE OF _____ §

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Thanh Huy Ha known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

(Signature) _____
Name: Olivier Moreau

Date: _____

STATE OF _____ §
§
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Olivier Moreau known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

(Signature) _____
Name: Kumar Raja

Date: _____

STATE OF _____ §
§
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Kumar Raja known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

Customer No. 61507
Entropy Matters LLC
P.O. Box 2250
New York, NY 10021

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to KLA-TENCOR CORPORATION (the "Assignee"), a Delaware corporation having its principal place of business at One Technology Drive, Milpitas, CA 95035 the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent Serial No. 15/170,881 filed June 1, 2016 entitled "DETERMINING MULTI-PATTERNING STEP OVERLAY ERROR," such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee; and

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) _____
Name: Ajay Gupta

Date: _____

STATE OF _____ §

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Ajay Gupta known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

(Signature) _____
Name: Thanh Huy Ha

Date: _____

STATE OF _____ §

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Thanh Huy Ha known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

PATENT
5222-31800
P4750

(Signature) _____

Name: Olivier Moreau

Date: 02 June 2016

STATE OF _____ §

§

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Olivier Moreau known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

(Signature) _____

Name: Kumar Raja

Date: _____

STATE OF _____ §

§

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Kumar Raja known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

Customer No. 61507
Entropy Matters LLC
P.O. Box 2250
New York, NY 10021

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) _____
Name: Ajay Gupta

Date: _____

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Ajay Gupta known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

(Signature) _____
Name: Thanh Huy Ha

Date: _____

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Thanh Huy Ha known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

PATENT
5222-31800
P4750

(Signature) _____
Name: Olivier Moreau

Date: _____

STATE OF _____ §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Olivier Moreau known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

(Signature) _____
Name: Kumar Raja

Date: 11/10/2016

STATE OF CA §
COUNTY OF Contra Costa §

BEFORE ME, the undersigned authority, on this _____ day of _____, personally appeared Kumar Raja known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Witness, Notary or Consular Officer

Customer No. 61507
Entropy Matters LLC
P.O. Box 2250
New York, NY 10021