

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4170382

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|----------------------------------|------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| GREGORY BRADY | 03/07/2013 |
| ANDREI V. SHCHEGROV | 03/07/2013 |
| LAWRENCE D. ROTTER | 03/07/2013 |
| DERRICK SHAUGHNESSY | 03/07/2013 |
| ANATOLY SHCHEMELININ | 03/08/2013 |
| ILYA BEZEL | 03/08/2013 |
| MUZAMMIL A. ARAIN | 03/08/2013 |
| ANATOLY A. VASILIEV | 03/07/2013 |
| JAMES ANDREW ALLEN | 03/11/2013 |
| OLEG SHULEPOV | 03/08/2013 |
| ANDREW V. HILL | 03/10/2013 |
| OHAD BACHAR | 03/20/2013 |
| MOSHE MARKOWITZ | 03/20/2013 |
| YARON ISH-SHALOM | 03/20/2013 |
| ILAN SELA | 03/20/2013 |
| AMNON MANASSEN | 03/11/2013 |
| ALEXANDER SVIZHER | 03/10/2013 |
| MAXIM KHOKHLOV | 03/20/2013 |
| AVI ABRAMOV | 03/10/2013 |
| OLEG TSIBULEVSKY | 03/10/2013 |
| DANIEL KANDEL | 03/02/2013 |
| MARK GHINOVKER | 03/20/2013 |
| 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: | 15369560 |

CORRESPONDENCE DATA

Fax Number: (402)496-0333

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.

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Email: file@suiter.com

Correspondent Name: SUITER SWANTZ/KLA JOINT CUSTOMER NUMBER

Address Line 1: 14301 FNB PARKWAY

Address Line 2: SUITE 220

Address Line 4: OMAHA, NEBRASKA 68154-5299

| | |
|--------------------------------|---------------------|
| ATTORNEY DOCKET NUMBER: | KLA P3928US2 |
| NAME OF SUBMITTER: | MATTHEW A. POULSEN |
| SIGNATURE: | /matthew a poulsen/ |
| DATE SIGNED: | 12/05/2016 |

Total Attachments: 25

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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) Gregory Brady
- 2) Andrei V. Shchegrov
- 3) Lawrence D. Rotter
- 4) Derrick Shaughnessy
- 5) Anatoly Shchemelinin
- 6) Ilya Bezel
- 7) Muzammil A. Arain
- 8) Anatoly A. Vasiliev
- 9) James Andrew Allen
- 10) Oleg Shulepov
- 11) Andrew V. Hill
- 12) Ohad Bachar
- 13) Moshe Markowitz
- 14) Yaron Ish-Shalom
- 15) Ilan Sela
- 16) Amnon Manassen
- 17) Alexander Svizher
- 18) Maxim Khokhlov
- 19) Avi Abramov
- 20) Oleg Tsibulevsky
- 21) Daniel Kandel
- 22) Mark Ghinovker

(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

- (b) _____ which was filed on _____ and titled _____
(c) X which was filed on February 22, 2013 and known as Appln. No. 13/774,025, titled SYSTEMS FOR PROVIDING ILLUMINATION IN OPTICAL METROLOGY

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.

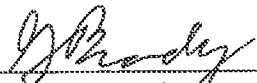
ASSIGNOR also hereby sells and assigns to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, 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.

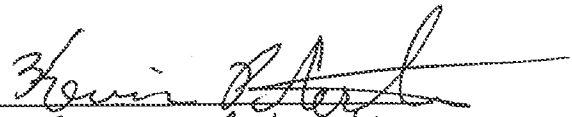
First named inventor

Name:  Date: 03/07/2013
Gregory Brady

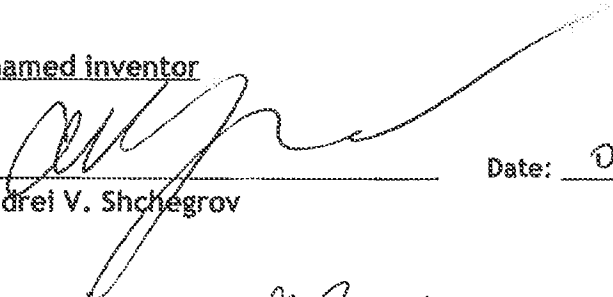
Witness Signature:

Witness Printed Name:

Witness Address:


Kevin Peterlinz
38420 Timpanogas Circle
Fremont, CA 94536

Second named inventor


Name: 
Andrei V. Shchegrov

Date: 03/07/13

Witness Signature:

Witness Printed Name:

Witness Address:


Gregory Brady
112 Graham Dr.
Campbell, CA 95008

Third named inventor

Name: Lawrence D. Rotter Date: 3-7-13
Lawrence D. Rotter

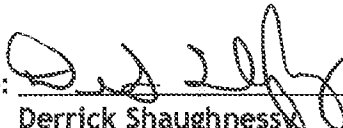
Witness Signature:


Witness Printed Name:

Witness Address:


G. Brady
Gregory Brady
112 Graham Dr.
Campbell, CA 95008

Fourth named inventor

Name:  Date: 3/7/13
Derrick Shaughnessy


Witness Signature: 
Witness Printed Name: Gregory Brady
Witness Address: 112 Graham Dr.
Campbell, CA 95008.

Fifth named inventor

Name: 
Anatoly Shchemelinin

Date: 03/08/2013

Witness Signature:



Witness Printed Name:

Cynthia Davis

Witness Address:

KLA-Tencor Corp.
One Technology Dr.
Milpitas, CA 95035

Sixth named inventor

Name: _____

Ilya Bezel

Date: _____

3/8/13

Witness Signature: _____

Cynthia Dawn

Witness Printed Name: _____

Cynthia Dawn

Witness Address: _____

One Technology Dr
Milpitas, CA 95035

Seventh named inventor

Name: MUZAMMIL A ARAIN Date: 03/07/2013
Muzammil A. Arain

Witness Signature:

Witness Printed Name:

Witness Address:

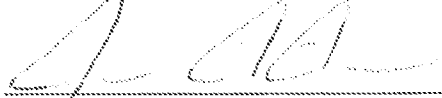
Klaus Flock
Klaus Flock
405 Lincoln Ave, #3
Emeryville, CA 94616

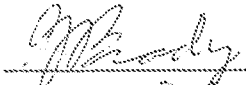
Eighth named inventor

Name: Anatoly A. Vasiliev Date: 5/10/2008
Anatoly A. Vasiliev

Witness Signature: [Signature]
Witness Printed Name: Gregory B. Rudy
Witness Address: 112 Graham Dr.
Campbell, CA 95008

Ninth named inventor

Name:  Date: 3-11-13
James Andrew Allen

Witness Signature: 
Witness Printed Name: Gregory Brady
Witness Address: 112 Graham Dr.
Campbell, CA 95008

Tenth named inventor

Name: Oleg Shulepov Date: 3/8/13
Oleg Shulepov

Witness Signature:

Witness Printed Name:

Witness Address:

G. Brady
03/08/13 Gregory Brady
112 Graham Dr.
Campbell, CA 95008

Eleventh named inventor

Name: [Signature]

Andrew V. Hill

Date: 3/10/13

Witness Signature:

[Signature]

Witness Printed Name:

Hedva Katz

Witness Address:

Koranit, Misgar
ISRAEL


Twelfth named inventor

Name: Ohad Bachar Date: March 20, 2013

Witness Signature:

Witness Printed Name:

Witness Address:


Hedva Katz
Koranit, Misgar
ISRAEL

Thirteenth named inventor

Name: Moshe Markowitz Date: 20-3-2013
Moshe Markowitz

Witness Signature:

Witness Printed Name:

Witness Address:



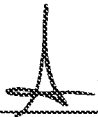
Hedva Katz

Koranit Mergav

ISRAEL

Fourteenth named inventor

Name: Yaron Ish-Shalom Date: ~~20/3~~ 3/20/13
Yaron Ish-Shalom

Witness Signature: 

Witness Printed Name: Hedva Katz

Witness Address: Kornit, Misgav
ISRAEL

Fifteenth named inventor

Name:

Ilan Sela

Date:

3/20/13

Witness Signature:

Witness Printed Name:

Witness Address:

Hedva Katz
Hedva Katz
Korant Mizgar
ISRAEL

Sixteenth named inventor

Name: Amnon Navossen Date: 11/3/2013
Amnon Manassen

Witness Signature:



Witness Printed Name:

Hedva Katz

Witness Address:

Koranit, ISRAEL


Seventeenth named inventor

Name:  Date: 10 Mar 2013
Alexander Svizher

Witness Signature:

Witness Printed Name:

Witness Address:


Hedva Katz
Koranit, w/ogav
ISRAEL

Eighteenth named Inventor

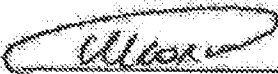
Name: Maxim Khokhlov
Maxim Khokhlov

Date: 20 - Mar - 13

Witness Signature:

Witness Printed Name:

Witness Address:


MAXIM KHOKHLOV
21/18 SHELOM ST.
HAIFA, 32980
ISRAEL

Nineteenth named inventor

Name: _____

Avi Abramov

Date: 3/10/2013

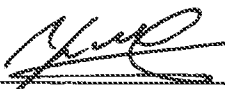
Witness Signature: _____

Witness Printed Name: _____

Witness Address: _____

Heelva Katz
Korant, Misgav
ISRAEL

Twentieth named inventor

Name:  Date: 3/10/2013
Oleg Tsibulevsky

Witness Signature:

Hedva A

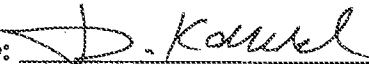
Witness Printed Name:

Hedva kartz

Witness Address:

Koravit, misgav
ISRAEL

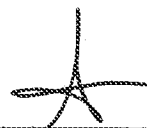
Twentyfirst named inventor

Name:  Date: 3/2/13
Daniel Kandel

Witness Signature:

Witness Printed Name:

Witness Address:


Hedva Katz
Korahit, Mizgar, ISRAEL

Twentysecond named inventor

Name: [Signature]
Mark Ghinovker

Date: 20/3/13

Witness Signature:

Witness Printed Name:

Witness Address:

[Signature] [Signature]
Hedva Katz
Koranit, Misgav
ISRAEL
20181