

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																																														
NATURE OF CONVEYANCE:	ASSIGNMENT																																														
CONVEYING PARTY DATA																																															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>Gregory Brady</td><td>03/07/2013</td></tr> <tr><td>Andrei V. Shchegrov</td><td>03/07/2013</td></tr> <tr><td>Lawrence D. Rotter</td><td>03/07/2013</td></tr> <tr><td>Derrick Shaughnessy</td><td>03/07/2013</td></tr> <tr><td>Anatoly Shchemelinin</td><td>03/08/2013</td></tr> <tr><td>Ilya Bezel</td><td>03/08/2013</td></tr> <tr><td>Muzammil A. Arain</td><td>03/08/2013</td></tr> <tr><td>Anatoly A. Vasiliev</td><td>03/07/2013</td></tr> <tr><td>James Andrew Allen</td><td>03/11/2013</td></tr> <tr><td>Oleg Shulepov</td><td>03/08/2013</td></tr> <tr><td>Andrew V. Hill</td><td>03/10/2013</td></tr> <tr><td>Ohad Bachar</td><td>03/20/2013</td></tr> <tr><td>Moshe Markowitz</td><td>03/20/2013</td></tr> <tr><td>Yaron Ish-Shalom</td><td>03/20/2013</td></tr> <tr><td>Ilan Sela</td><td>03/20/2013</td></tr> <tr><td>Amnon Manassen</td><td>03/11/2013</td></tr> <tr><td>Alexander Svizher</td><td>03/10/2013</td></tr> <tr><td>Maxim Khokhlov</td><td>03/20/2013</td></tr> <tr><td>Avi Abramov</td><td>03/10/2013</td></tr> <tr><td>Oleg Tsibulevsky</td><td>03/10/2013</td></tr> <tr><td>Daniel Kandel</td><td>03/02/2013</td></tr> <tr><td>Mark Ghinovker</td><td>03/20/2013</td></tr> </tbody> </table>		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
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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																																														

CH \$40.00 13774025

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13774025

**CORRESPONDENCE DATA**

Fax Number: 4024960333  
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Address Line 4: Omaha, NEBRASKA 68154-5299

ATTORNEY DOCKET NUMBER:	KLA P3928
NAME OF SUBMITTER:	Faisal K. Abou-Nasr
Signature:	/faisal k abounasr/
Date:	05/16/2013

**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.

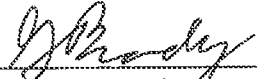
ASSIGNOR also hereby sells and assigns to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models,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

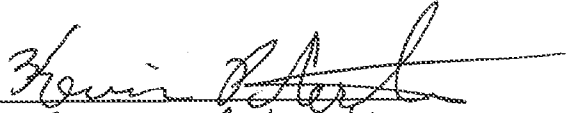
First named inventor

Name:  Date: 03/07/2013  
Gregory Brady

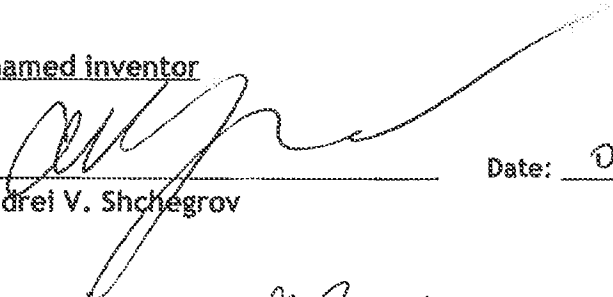
Witness Signature:

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:

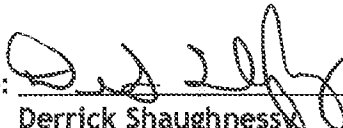
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Witness Address:

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

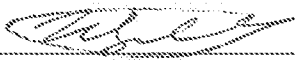


Fourth named inventor

Name:  Date: 3/7/13  
Derrick Shaughnessy

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

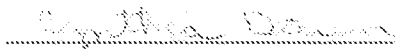
Fifth named inventor

Name: 

Date: 03/08/2013

Anatoly Shchemelinin

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:

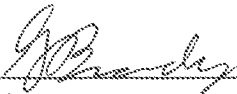
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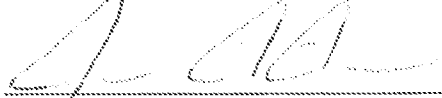
Klaus Flock  
Klaus Flock  
405 Lincoln Ave, #3  
San Jose, CA 95126

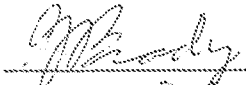
Eighth named inventor

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

Witness Signature:   
Witness Printed Name: Gregory Brady  
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

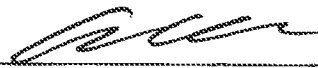
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Witness Address:

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

Eleventh named inventor

Name: 

Andrew V. Hill

Date: 3/10/13

Witness 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 Manassen Date: 11/3/2013  
Amnon Manassen

Witness Signature:

Witness Printed Name:

Witness Address:

  
\_\_\_\_\_  
Hedva Katz  
Korazit, ISRAEL  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_


Seventeenth named inventor

Name:  Date: 10 Mar 2013  
Alexander Svizher

Witness Signature:

Witness Printed Name:

Witness Address:

  
Hedva Katz  
Koranit, w/ogav  
ISRAEL

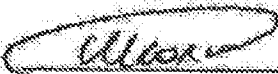
Eighteenth named inventor

Name: Maxim Khokhlov Date: 20 - Mar - 13  
Maxim Khokhlov

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: \_\_\_\_\_



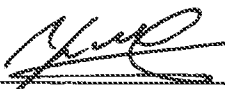
Heelva Katz

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: D. Kandel Date: 3/2/13  
Daniel Kandel

Witness Signature:

Witness Printed Name:

Witness Address:

Hedva Katz  
Korahit, Mizgar, ISRAEL  
\_\_\_\_\_  
\_\_\_\_\_

Twentysecond named inventor

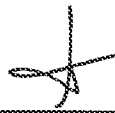
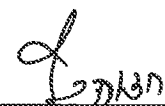
Name:   
Mark Ghinovker

Date: 20/3/13

Witness Signature:

Witness Printed Name:

Witness Address:

   
Hedva Katz  
Koranit, Misgav  
ISRAEL  
20181