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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT3669540

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|---|-------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| VLADIMIR LEVINSKI | 08/20/2015 |
| DANIEL KANDEL | 10/13/2015 |
| YOEL FELER | 08/25/2015 |
| NADAV GUTMAN | 08/20/2015 |
| 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: | 14832750 |
| CORRESPONDENCE DATA | |
| Fax Number: | (716)626-0366 |
| <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: | 7166261564 |
| Email: | patentEFS@idealawyers.com |
| Correspondent Name: | ROBERT P. SIMPSON |
| Address Line 1: | 5555 MAIN STREET |
| Address Line 2: | SIMPSON & SIMPSON, PLLC |
| Address Line 4: | WILLIAMSVILLE, NEW YORK 14221 |
| ATTORNEY DOCKET NUMBER: | KLAP190US |
| NAME OF SUBMITTER: | KAREN R. BRUNO |
| SIGNATURE: | /Karen R. Bruno/ |
| DATE SIGNED: | 12/22/2015 |
| Total Attachments: 5 | |
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Assignment of Rights, Title and Interest in Invention
 (Multiple inventors; single assignee)

Docket Number
 KLAP190US

Assignee Information

| | | | |
|--|--------------------------|-------------|------------|
| Name | KLA-TENCOR CORPORATION | | |
| Address (line 1) | One Technology Drive | | |
| Address (line 2) | | | |
| City | Milpitas | State | California |
| Country | United States of America | Postal Code | 95035 |
| Title of Invention: | | | |
| NEW APPROACH FOR MODEL CALIBRATION USED FOR FOCUS AND DOSE MEASUREMENT | | | |

This is an Assignment of the following rights, title and interest: (check all that apply):

- United States of America rights, title and interest in the invention
- Foreign rights, title and interest in the invention
- United States Patent Application Serial No. _____
 Date of Execution: _____ Date of Filing: _____
- United States Provisional Patent Application Serial No. 62/049,997 filed August 22, 2014
- United States Patent No(s) _____
- International (PCT) Patent Application Serial No. _____
- Other (specify) _____

Inventors (assignors)

| Name | Address |
|-------------------|--|
| Vladimir LEVINSKI | Herman 9, 73100 Migdal HaEmek, Israel |
| Daniel KANDEL | 2 Haalim Street, 76899 Aseret, Israel |
| Yael FELER | Derech Yad LeBasim 82/2, 32163 Haifa, Israel |
| Kadav GUTMAN | 11 Druv Usir 12, 3691784 Zichron Ya'akov, Israel |
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Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)

Docket Number

KLAP190US

Whereas, we, the above-identified inventors, have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the invention to the above-identified Assignee;

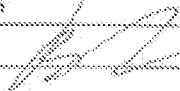
Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said invention, said application (s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said invention and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for any aforesaid invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

| Name | Signature/Date |
|-------------------|--|
| Vladimir LEYINSKI | 20 August 2015  |
| Daniel KANDEL | |
| Yori FELER | |
| Nadav GUTSIAN | |
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Assignment of Rights, Title and Interest in Invention
 (Multiple inventors; single assignee)

Docket Number

KLAPI9BUS / 10344

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "invention");

And, whereas we desire to assign our above-identified rights, title and interest in the invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said invention, said application (s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said invention and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee,

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for any aforesaid invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

| Name | Signature/Date |
|-------------------|---------------------------|
| Vladimir LEVINSKI | |
| Daniel KANDEL | <i>D. Kandel</i> 13/10/15 |
| Yael FELER | |
| Nadav GUTMAN | |
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Assignment of Rights, Title and Interest in Invention
 (Multiple inventors; single assignee)

Docket Number

KLAP198US

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;


Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged,

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application (s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

| Name | Signature/Date |
|-------------------|--|
| Yladiuir LEVINSKI |  25/08/2015 |
| Daniel KANDEL | |
| Yael FELER | |
| Nadav GUTMAN | |
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Assignment of Rights, Title and Interest in Invention
 (Multiple inventors; single assignee)

Docket Number

KLAP19006

Whereas, we, the above-identified inventors, have invented certain new and useful improvements in the invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application (s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventor's Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name

Signature/Date

Vladimir LEVINSKI

Raisel KANDEL

Yosel PELEB

Ruday GUTMAN

20 Aug 2015

