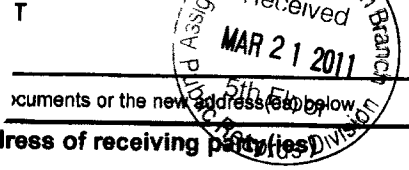


03/23/2011

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



To the Director of the U S Pater

103620508

Documents or the new address(es) below

3-21-11

1. Name of conveying party(ies)

Khashayar SHADMAN 07/30/2010;
Robert HAYNES 08/09/2010;
Gabor D. TOTH 08/11/2010,
Christopher SEARS 08/24/2010,
Mehran NASSER GHODSI 08/09/2010.

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name KLA-TENCOR CORPORATION

Internal Address: _____

Street Address: 1 TECHNOLOGY DRIVE

City MILPITAS

State: CALIFORNIA

Country: U.S.A. Zip 95035

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) July 30, August 9, 11, and 24, 2010

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

A Patent Application No.(s)

PCT/US2010/042313

This document is being filed together with a new application

B. Patent No (s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name OKAMOTO & BENEDICTO LLP

Internal Address: _____

Street Address P.O. BOX 641330

City SAN JOSE

State: CALIFORNIA Zip. 95164-1330

Phone Number _____

Fax Number _____

Email Address _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 50-2427

Authorized User Name James Okamoto

9. Signature:

/James K. Okamoto, Reg. No. 40,110/

Signature

March 17, 2011

Date

JAMES K OKAMOTO

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0148 or mailed to 0000001 502427 PCT/US2010
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, VA 22313-1450

01 FC:0021

40.00 DA

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **KLA-Tencor Corporation**, a Delaware corporation, having a place of business at **1 Technology Drive, Milpitas, California 95035**, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) or PCT International Application ("APPLICATION"), entitled "**CHARGED-PARTICLE ENERGY ANALYZER**" and with the following particulars:

Filing Date: July 16, 2010 Attorney Docket No.: 11-010100PCT (P2939)

Application No.: PCT/US2010/042313

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all divisional, provisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted or have been granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in and to the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR further authorizes and directs the attorneys of record to insert in this document the serial number and filing date of the APPLICATION, identified by the attorney docket number and title set forth above, as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Title of Document: ASSIGNMENT

Re:
Title: CHARGED-PARTICLE ENERGY ANALYZER
Serial No.: PCT/US2010/042313
Filing Date: 16-JULY-2010
Atty. Docket No.: 11-010100PCT (P2939)

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature Date of Signature Date Declaration Executed By This Person
Khashayar SHADMAN 07/30/2010 07/30/2010

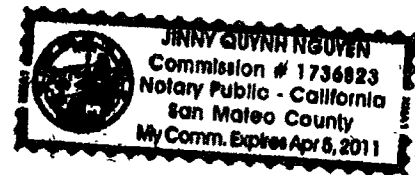
State of California
County of San Mateo

On 7/30/2010 before me, Jimmy Quinn Nguyen personally appeared Khashayar Shadman, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that [he/she/they] executed the same in [his/her/their] authorized capacity(ies), and that by [his/her/their] signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature (Seal)



Title of Document: ASSIGNMENT

Re:
Title: CHARGED-PARTICLE ENERGY ANALYZER
Serial No.: PCT/US2010/042313
Filing Date: 16-JULY-2010
Atty. Docket No.: 11-010100PCT (P2939)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u><i>Robert Haynes</i></u> Robert HAYNES	<u>8/9/2010</u>	<u>8/9/2010</u>

State of California)
County of San Mateo)

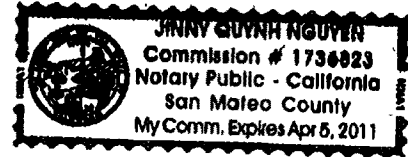
On 8/9/2010 before me, *Jenny Chung* personally
appeared *Robert Haynes* [DATE] [INVENTOR] [NOTARY PUBLIC], who proved to me on the basis of

satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that [he/she/they] executed the same in [his/her/their] authorized capacity(ies), and that by [his/her/their] signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

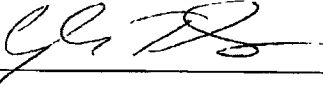
Signature *Jenny Chung* (Seal)



Title of Document: ASSIGNMENT

PATENT

Re:
 Title: CHARGED-PARTICLE ENERGY ANALYZER
 Serial No.: PCT/US2010/042313
 Filing Date: 16-JULY-2010
 Atty. Docket No.: 11-010100PCT (P2939)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u></u>	<u>08/11</u> 2010	<u>08/11</u> 2010
Gabor D. TOTH		

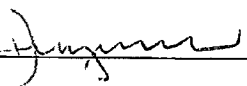
State of California)
 County of San Mateo)

On 8/11/2010 before me, Jimmy Quang Nguyen personally
 appeared Gabor D. TOTH ^[DATE] _[INVENTOR], who proved to me on the basis of
 [NOTARY PUBLIC]

satisfactory evidence to be the person(s) whose name(s)-is/are subscribed to the within instrument and acknowledged to me that [he/she/they] executed the same in [his/her/their] authorized capacity(ies), and that by [his/her/their] signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature  (Seal)



Title of Document: ASSIGNMENT

Re:
Title: CHARGED-PARTICLE ENERGY ANALYZER
Serial No.: PCT/US2010/042313
Filing Date: 16-JULY-2010
Atty. Docket No.: 11-010100PCT (P2939)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Chris Sears</u> Christopher SEARS	<u>8-24</u> .2010	<u>8-24</u> .2010

State of California

County of San Mateo

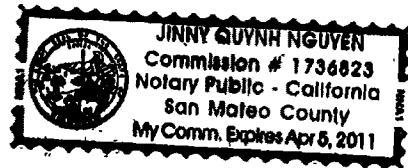
On 8/24/2010 before me, Jimmy Quynh Nguyen personally
[DATE] [NOTARY PUBLIC]
appeared Christopher Sears, who proved to me on the basis of
[INVENTOR]

satisfactory evidence to be the person(s) whose name(s) is/~~are~~-subscribed to the within instrument and acknowledged to me that [he/~~she/they~~] executed the same in [his/~~her/their~~] authorized capacity(ies), and that by [his/~~her/their~~] signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)-acted, executed the instrument.

I certify under PRNALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Jimmy (Seal)



Title of Document: ASSIGNMENT

PATENT

Re:
 Title: CHARGED-PARTICLE ENERGY ANALYZER
 Serial No.: PCT/US2010/042313
 Filing Date: 16-JULY-2010
 Atty. Docket No.: 11-010100PCT (P2939)

<u>Name and Signature</u>	<u>Date of Signature</u>	<u>Date Declaration Executed By This Person</u>
<u>Mehran Nasser Ghodsi</u> Mehran NASSER GHODSI	<u>8/9 2010</u>	<u>8/9 2010</u>

State of California)
 County of San Mateo)

On 8/9/2010 before me, Jimmy Quynh Nguyen personally
 appeared Mehran Nasser Ghodsi [INVENTOR], who proved to me on the basis of
 [INVENTOR] [NOTARY PUBLIC]

satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that [he/she/they] executed the same in [his/her/their] authorized capacity(ies), and that by [his/her/their] signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Jimmy Nguyen (Seal)

