

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ROYA MABOUDIAN et al.  
Serial No.: 12/651,036  
Filed: DECEMBER 31, 2009  
For: LOW-TEMPERATURE FORMATION OF POLYCRYSTALLINE SEMICONDUCTOR  
FILMS VIA ENHANCED METAL-INDUCED CRYSTALLIZATION  
Group:  
Examiner:  
Docket No.: B07-110-2US

**MAIL STOP ASSIGNMENT**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**ASSIGNMENT RECORDATION COVER LETTER****PATENT OR PATENT APPLICATION****1. NAMES OF PARTY(IES) MAKING TRANSFER**

Name 1: ROYA MABOUDIAN  
Name 2: FRANK W. DELRIO  
Name 3: JOANNA LAI  
Name 4: TSU-JAE KING LIU

**2. IDENTITY OF PARTY(IES) TO WHOM TRANSFER IS MADE**

This transfer is being made to:

Name: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, A CALIFORNIA  
CORPORATION  
Address: 1111 FRANKLIN STREET, 12<sup>TH</sup> FLOOR  
OAKLAND, CA 94607-5200

**3. INTENTION OF DOCUMENT**

A brief description of what the accompanying document intends to accomplish is that it is an:

X Assignment  
— License  
— Security Interest  
— Other

**4. IDENTIFICATION OF PATENT OR APPLICATION**

Particulars of the patent or application to which the accompanying document applies are:

Inventor(s): ROYA MABOUDIAN; FRANK W. DELRIO; JOANNA LAI; TSU-JAE KING LIU

For (title): LOW-TEMPERATURE FORMATION OF POLYCRYSTALLINE  
SEMICONDUCTOR FILMS VIA ENHANCED METAL-INDUCED  
CRYSTALLIZATION

(a) ☐ U.S. patent application filed herewith.

(b) ☒ U.S. patent application serial no. 12/651,036 filed on December 31, 2009.

(c) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_.

**5. NAME AND ADDRESS TO WHICH CORRESPONDENCE SHOULD BE MAILED**

Please address all correspondence and return the recorded document to:

John P. O'Banion  
O'BANION & RITCHEY LLP  
400 Capitol Mall, Suite 1550  
Sacramento, CA 95814

**6. NUMBER OF APPLICATIONS OR PATENTS IDENTIFIED AND TOTAL FEE DUE**

The number of applications or patents identified herein is: 1

Total Fee Due \$ 40.00

**7. DATE DOCUMENT WAS EXECUTED**

The accompanying document was executed on: January 22 & February 10, 2010.

**8. FEE PAYMENT**

Fee payment is provided for as follows:

☒ Charge Account No. 07-1137 in the sum of \$40.

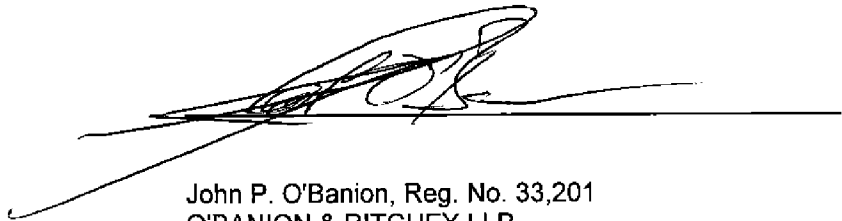
9. **STATEMENT OF AUTHENTICITY**

The undersigned certifies that, to the best of his or her knowledge and belief, the information contained in this cover sheet is true and correct, and any copy of the document submitted for recording is a true copy of the original document.

10. **SIGNATURE**

Dated: \_\_\_\_\_

2/17/10

A handwritten signature in black ink, appearing to read 'John P. O'Banion', is written over a horizontal line.

John P. O'Banion, Reg. No. 33,201  
O'BANION & RITCHEY LLP  
400 Capitol Mall, Suite 1550  
Sacramento, CA 95814  
(916) 498-1010

**PATENT**Attorney Docket No. B07-110-2US**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Name: ROYA MABOUDIAN  
Address: 168 RAVENHILL ROAD  
ORINDA, CA 94563

Nationality: US

Name: FRANK W. DELRIO  
Address: 2621 SPENCER ROAD  
CHEVY CHASE, MD 20815

Nationality: US

Name: JOANNA LAI  
Address: 450 OAK GROVE DRIVE, APT. 208  
SANTA CLARA, CA 95054

Nationality: CA

Name: TSU-JAE KING LIU  
Address: 42063 BENBOW DRIVE  
FREMONT, CA 94539

Nationality: US

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE:

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, A CALIFORNIA CORPORATION, 1111  
FRANKLIN STREET, 12<sup>th</sup> Floor, OAKLAND, CA 94607-5200,

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**LOW-TEMPERATURE FORMATION OF POLYCRYSTALLINE SEMICONDUCTOR FILMS VIA  
ENHANCED METAL-INDUCED CRYSTALLIZATION**

and which is found in

- (a) ☐ U.S. provisional patent application filed herewith and listing the above named person(s) as inventor(s).
- (b) ☐ U.S. patent application filed herewith listing the above named person(s) as inventor(s).
- (c) ☒ U.S. patent application serial no. 12/651,036, filed on December 31, 2009.
- (d) ☐ U.S. Patent No.: \_\_\_\_\_, issued \_\_\_\_\_.

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division,

continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said Invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known;

ASSIGNOR(S) request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, the Regents of the University of California;

And ASSIGNOR(S) request(s) and hereby authorize their attorney(s) of record in this application to insert the execution date, serial number and filing date of this application in this Assignment.

Date: January 22, 2010

Inventor: Roya Maboudian  
ROYA MABOUDIAN

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
FRANK W. DELRIO

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
JOANNA LAI

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
TSU-JAE KING LIU

continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

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Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

ROYA MABOUDIAN

Date: 1/22/10

Inventor: \_\_\_\_\_

FRANK W. DELRIO

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

JOANNA LAI

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

TSU-JAE KING LIU

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continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property,

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Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

ROYA MABOUDIAN

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

FRANK W. DELRIO

Date: 01/22/2010

Inventor: \_\_\_\_\_

JOANNA LAI

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

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→ BRANDY SCOTT

009/009

continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

ROYA MABOUDIAN

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

FRANK W. DELRIO

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_

JOANNA LAI

Date: 2/10/10

Inventor: \_\_\_\_\_

TSU-JAE KING LIU