

04-24-2000

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ached original documents or copy thereof.

To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Shimon Weiss
Marcell Bruchez
Paul A. Alivisatos

2. Name and address of receiving party(ies):

Name: The Regents of The University of California

Internal Address:

Street Address: 1111 Franklin Street, 12th Floor

City: Oakland State: CA ZIP: 94607-5200

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

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 3/1/99

A. Patent Application No.(s)

09/259,982

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Hadiyah Muhammad

Internal Address: Patent Department

MS 90-1121

Street Address: Lawrence Berkeley National Laboratory

One Cyclotron Road

City: Berkeley State: CA ZIP: 94720

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

12690

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Karla Evans

Name of Person Signing

Karla Evans

Signature

3-15-00

Date

Total number of pages including cover sheet, attachments, and document: 5

04/24/2000 TTOM11 00000063 120690 09259982

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

PATENT REEL: 010714 FRAME: 0507

ASSIGNMENT

LBL Case No. **IB-1330A**

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

- 1. **Shimon Weiss**
- 2. **Marcel Bruchez**
- 3. **Paul Alivisatos**

hereby sells, assign(s) and transfer(s) to ASSIGNEE. The Regents of The University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, 12th Floor, Oakland, CA 94607-5200 and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

SEMI CONDUCTOR NANOCRYSTALS PROBE FOR BIOLOGICAL APPLICATIONS AND PROCESS FOR MAKING AND USING SUCH PROBES

and which is found in

- (a) U.S. _____ patent application executed on _____ entitled as above and listing the above named persons as inventors
- (b) U.S. application serial no. 09/259,982 filed on 3/11, 1999,
- (c) 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 covenants 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 covenants 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 necessary or desirable to carry out the purposes thereof. Any 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.

AND the ASSIGNOR(S) requests 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.

executed this

Signature of Inventor(s)

_____ day of _____, 19__

Shimon Weiss

_____ day of _____, 19__

Marcel Bruchez

8th day of February, 1999

Paul Alivisatos X

Rev. 5-95

ASSIGNMENT

LBL Case No. IB-1330A C-I-P

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

- 1. Shimon Weiss
- 2. Marcel Bruchez
- 3. Paul Allvisatos

hereby sells, assign(s) and transfer(s) to ASSIGNEE, The Regents of The University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, 12th Floor, Oakland, CA 94607-5200 and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

SEMICONDUCTOR NANOCRYSTALS PROBE FOR BIOLOGICAL APPLICATIONS AND PROCESS FOR MAKING AND USING SUCH PROBES

and which is found in

- (a) U.S. _____ patent application executed on _____ entitled as above and listing the above named persons as inventors
- (b) U.S. application serial no. 09/259,982 filed on MARCH 1, 1999,
- (c) 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 covenants 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 covenants 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 necessary or desirable to carry out the purposes thereof. Any 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.

AND the ASSIGNOR(S) requests 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.

executed this:

Signature of Inventor(s)

_____ day of _____, 19____
 23 day of March, 1999
 _____ day of _____, 19____

 Shimon Weiss
 Marcel Bruchez

 Paul Allvisatos

Rev. 5-95

ASSIGNMENT

LBL Case No. **IB-1330A C-I-P**
SN 09/259,982

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

- 1. **Shimon Weiss**
- 2. **Marcel Bruchez**
- 3. **Paul Allvisatos**

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SEMICONDUCTOR NANOCRYSTALS PROBE FOR BIOLOGICAL APPLICATIONS AND PROCESS FOR MAKING AND USING SUCH PROBES

and which is found in

- (a) U.S. _____ patent application executed on _____ entitled as above and listing the above named persons as inventors
- (b) U.S. application serial no. **UNASSIGNED** filed on 3/1, 1999,
- (c) 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;

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ASSIGNOR(S) further covenants 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 necessary or desirable to carry out the purposes thereof. Any 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.

AND the ASSIGNOR(S) requests 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.

executed this:

Signature of Inventor(s)

10 day of February, 1999
 _____ day of _____, 19____
 _____ day of _____, 19____

Shimon Weiss

Marcel Bruchez

Paul Allvisatos