

Atty Dkt No. 5100-0002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECORDATION COVER SHEET (PATENT)

1. Name of conveying party/parties:

Marcel P. BRUCHEZ, R. Hugh DANIELS, Stephen A. EMPEDOCLES,  
Vince E. PHILLIPS, Edith Y. WONG and Donald A. ZEHNDER

2. Name and address of receiving party/parties:

Quantum Dot Corporation  
4030 Fabian Way  
Palo Alto, CA 94303

3. Nature of conveyance:        X   Assignment  
                                          Name Change  
                                          Other

Execution date: 6/13/00, 6/13/00, 6/14/00, 6/15/00, 6/14/00 and 6/15/00 respectively

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

A. Patent Application No(s).: 09/566,014

B. Patent No(s).:

If this document is being filed together with a new application, the execution date of the application is:  
and the title of the new application is:

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

Roberta L. Robins  
ROBINS & ASSOCIATES  
90 Middlefield Road, Suite 200  
Menlo Park, CA 94025

6. Total number of applications/patents involved: 1

7. Total fee: 1 x \$40.00 = \$ 40.00

     Enclosed is a check for \$ 40.00.

X Authorized to be charged to deposit account


8. Deposit account number: 18-1648.

9. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 which may be required by this paper, or to credit any overpayment, to Deposit Account No. 18-1648.

10. 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.

Dated: 7/12/00

By:   
Roberta L. Robins  
Reg. No. 33,208

ROBINS & ASSOCIATES  
90 Middlefield Road, Suite 200  
Menlo Park, CA 94025  
Telephone: (650) 325-7812  
Fax: (650) 325-7823

**Total number of pages including cover sheet, attachments, document: 4**

Mail to: U.S. Patent and Trademark Office  
Office of Public Records, Box Assignment  
Crystal Gateway 4, Room 335  
Washington, D.C. 20231

Atty Dkt No. 5100-0002

## ASSIGNMENT

## JOINT

THIS ASSIGNMENT, by Marcel P. BRUCHEZ, R. Hugh DANIELS, Stephen A. EMPEDOCLES, Vince E. PHILLIPS, Edith Y. WONG and Donald A. ZEHNDER (hereinafter referred to as the assignors), residing at Union City, CA, Palo Alto, CA, Mountain View, CA, Sunnyvale, CA, Danville, CA, and San Carlos, CA, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in A METHOD OF DETECTING AN ANALYTE IN A SAMPLE USING SEMICONDUCTOR NANOCRYSTALS AS A DETECTABLE LABEL set forth in an application for Letters Patent of the United States, bearing Serial No. 09/566,014 and filed on May 5, 2000; and

WHEREAS, Quantum Dot Corporation, a corporation duly organized under and pursuant to the laws of California, and having its principal place of business at 4030 Fabian Way, Palo Alto, CA 94303 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, the said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Union for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are

unencumbered and that the said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said assignors hereby covenant and agree to and with the said assignee, its successors, legal representatives and assigns, that the said assignors will, whenever counsel of the said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.

AND the said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to the said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

Date 6/13/00 Name of Inventor Marcel Bruczez  
Marcel P. BRUCHEZ

Date 6/13/00 Name of Inventor R. Hugh Daniels  
R. Hugh DANIELS

Date 6/14/00 Name of Inventor Stephen A. Empedocles  
Stephen A. EMPEDOCLES

Date 6/15/00 Name of Inventor Vince A. Phillips  
Vince A. PHILLIPS  
E. VP 6/15/00

Date June 14, 2000 Name of Inventor Edith Y. Wong  
Edith Y. WONG

Date 6/15/00 Name of Inventor Donald A. Zehnder  
Donald A. ZEHNDER