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Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):  
Vladimir Bulovic, Seth A. Coe, Wing-Keung Woo,  
and Mounji G. Bawendi  
Additional name(s) attached?  Yes  No

2. Name and address of receiving party(ies):  
Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Cambridge, Massachusetts 02142-1324  
United States of America  
Additional names/addresses attached?  Yes  No

3. Nature of conveyance:  
 Assignment  
 Merger  
 Security Agreement  
 Change of Name  
 Other:  
Execution Date: 07/14/2003; 07/15/2003;  
07/30/2003

4. Application number(s) or patent number(s):  
If this document is being filed with a new application, the execution date of the application is:  
A. Patent Application No(s):  
10/400,907  
Additional numbers attached?  Yes  No

B: Patent No(s):

5. Name/address of party to whom correspondence concerning document should be mailed:  
HAROLD H. FOX  
Fish & Richardson P.C.  
1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500

6. Total number of applications/patents involved: 1  
7. Total fee (37 CFR §3.41): \$40  
 Enclosed  
 Authorized to charge Deposit Account.  
8. Deposit Account No.: 06-1050  
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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.*

Harold H. Fox  
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Name of Person Signing

Signature

11-6-03  
Date

Total number of pages including coversheet, attachments and document: 6

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## ASSIGNMENT

For valuable consideration, we, VLADIMIR BULOVIC of Lexington, MA, SETH A. COE of Watertown, MA, WING-KEUNG WOO of Cambridge, MA, MOUNGI G. BAWENDI of Boston, MA, hereby assign to: Massachusetts Institute of Technology, a corporation of Massachusetts and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MATERIALS INCLUDING SEMICONDUCTOR NANOCRYSTALS, filed March 28, 2003, and assigned U.S. Serial Number 10/400,907, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge Massachusetts

this 14th day of July, 2003

[Signature]  
VLADIMIR BULOVIC \_\_\_\_\_ L.S.

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 14th day of July, 2003, personally appeared VLADIMIR BULOVIC known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Margaret Anne Udden  
Notary Public

My Commission Expires:

**Margaret Anne Udden**  
**NOTARY PUBLIC**  
My commission expires April 4, 2006

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, Massachusetts

this 14 day of July, 2003

Seth A. Coe  
SETH A. COE

L.S.

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 14th day of July, 2003<sup>2003 N.U.</sup>, personally appeared SETH A. COE known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Margaret Anne Udden

Notary Public

My Commission Expires:

**Margaret Anne Udden**  
**NOTARY PUBLIC**  
My commission expires April 4, 2008

[Notary's Seal Here]

Attorney Docket No: 01997-315001/MIT Case 9924

IN WITNESS WHEREOF, I hereto set my hand and seal at Schenectady NY,  
this 15th day of July, 2003

Wing Keung Woo L.S.  
WING-KEUNG WOO

State of New York :  
: ss.  
County of Schenectady :

Before me this 15th day of July, 2003, personally  
appeared WING-KEUNG WOO known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Alma Alexander  
Notary Public

My Commission Expires: Dec 22, 2005



[Notary's Seal Here]

ALMA ALEXANDER  
Notary Public, State of New York  
No. 6000700  
Qualified in Schenectady County  
Commission Expires December 22, 2005

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, Massachusetts  
this 30<sup>th</sup> day of July, 2003  
My. S. L.S.  
MOUNGI G. BAWENDI

State of Massachusetts :  
: ss.  
County of Middlesex :

Before me this 30<sup>th</sup> day of July, 2003, personally  
appeared MOUNGI G. BAWENDI known to me to be the person whose name is subscribed to  
the foregoing Assignment and acknowledged that he executed the same as his free act and deed  
for the purposes therein contained.

Steve A. James  
Notary Public  
My Commission Expires: March 14, 2008

[Notary's Seal Here]