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B/O FORM PTO-1595 (Rev. 4/00)

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Patent and Trademark Office

To the Commissioner for Patents. Please record the attached original documents or copies thereof.

1. Name of Conveying Party(ies):

Hsueh-Shih CHEN
Dai-Luon LO
Chien-Ming CHEN
Gwo-Yang CHANG

2. Name and Address of Receiving Party(ies):

Name: Industrial Technology Research Institute

Street Address: No. 195, Sec. 4
Chung Hsing Rd.

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other:

11/25/2004
11/25/2004
11/26/2004
Execution Date: 11/26/2004

City, State, Zip: Chutung, Hsinchu
Taiwan, R.O.C.

Additional name(s) and address(es) attached.

12879 U.S. PTO
11/024801
123004

4. (A) Patent Application Number(s):

01/05/2005 AKELECHI 00000044 11024801
04 FC:8021 40.00 DP 11/25/2004
11/25/2004
11/25/2004
If this document is being filed together with a new application, the execution date of the application is: 11/26/2004

4. (B) Patent Number(s):

Additional Numbers Attached.

Title: METHOD FOR DOPING QUANTUM DOTS

Attorney Docket No.: CHEN3767/EM

5. Name and Address of Party to whom Correspondence Concerning this Document Should be Mailed:

Name: Eugene Mar

Bacon & Thomas, PLLC
625 Slaters Lane Fourth Floor
Alexandria, VA 22314

23364
CUSTOMER NUMBER

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: 02-0200

9. Statement and Signature:

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

Eugene Mar December 30, 2004

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments and document: 3

ATTORNEY/DOCKET NO:

ASSIGNMENT BY INVENTOR(S) OF U.S. APPLICATION

WHEREAS, I am the original, first and sole inventor and I own (if only one name is listed below) or an original, first and joint inventor and the joint inventors own (if plural names are listed below) (referred to as "ASSIGNOR" below) the subject matter which is claimed and for which a patent is sought on the invention (referred to as the "INVENTION" below) entitled:

Title: **Method For Doping Quantum Dots**

the specification of which (check one):

- is executed on even date herewith.
- was filed on (day-month-year) as U.S. Application Number
- was filed on (day-month-year) as PCT Application Number
- was executed on the following date(s) (day-month-year)

WHEREAS, **Industrial Technology Research Institute**

having a postal address of **No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, Taiwan R. O. C.**

(referred to as "ASSIGNEE" below) desires to acquire the entire right, title and interest in and to the same in the U.S.;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Full Name of First or Sole Inventor Hsueh-Shih CHEN	Post Office Address No.5, Lane 406, Sec. 1, Yanping Rd.,
Citizenship Taiwan R. O. C.	Residence (city, and either state or foreign country, MPEP §605.02) Hsinchu City 300, Taiwan R. O. C.
Date Nov, 15, 2004	Signature <i>Hsueh-shih chen</i>

See following page(s) for additional joint inventors.

(06Nov2001)

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ATTORNEY/DOCKET NO:

**SUPPLEMENTAL PAGE FOR AN
ASSIGNMENT BY INVENTOR(S) OF U.S. APPLICATION**

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Date <i>NOV. 25, 2004</i>	Signature <i>Dai-Luon LO</i>

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Date <i>Nov 26, 2004</i>	Signature <i>Chien Ming Chen</i>

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Date <i>Nov. 26, 2004</i>	Signature <i>Gwo-Yang Chang</i>

Full Name of Joint Inventor	Post Office Address
Citizenship	Residence (city, and either state or foreign country, MPEP §605.02)
Date	Signature

See following page(s) for additional joint inventors.

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