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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Guoqing Chen James Pan Additional name(s) of conveying party(ies) attached? [] Yes [x] No

2. Name and address of receiving party(ies) Name: Micron Technology, Inc. Internal Address: Street Address: 8000 S. Federal Way P.O. Box 6 City: Boise State: ID Zip: 83707-0006 Additional name(s) & address(es) attached? [] Yes [x] No

17548 U.S. PTO 10/943337

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3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other April 27, 1999 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: A. Patent Application No.(s) 10/174,696 B. Patent No.(s) Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: James L. Wolfe, Esq. Internal Address: Ganz Law, P.C. Street Address: P.O. Box 10108 City: Portland State: OR Zip: 97296

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 [x] Enclosed [] Authorized to be charged to deposit account

8. Deposit account number: 50-1001

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9. Signature. James L. Wolfe, Esq. Name of Person Signing Signature Date September 17, 2004

Total number of pages including cover sheet, attachments, and documents: 4

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

PATENT REEL: 015793 FRAME: 0711

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Guoqing Chen and James Pan

Serial No.: Unknown

Filed: Concurrently herewith

For: METHODS OF FORMING HEMISPHERICAL
GRAINED SILICON ON A TEMPLATE ON A
SEMICONDUCTOR WORK OBJECT

§
§ Group Art Unit: Unknown
§
§ Examiner: Unknown
§
§ Atty. Docket: MTI/0677/990301
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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to MICRON TECHNOLOGY, INC., (the "Assignee"), a corporation of Delaware having a place of business at 8000 S. Federal Way, Boise, ID 83706, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled: METHODS OF FORMING HEMISPHERICAL GRAINED SILICON ON A TEMPLATE ON A SEMICONDUCTOR WORK OBJECT such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature)

Guoqing Chen

Date:

04/16/99

Guoqing Chen

STATE OF

Idaho

)

) ss.

County of

Ada

)

BEFORE ME, this 16th day of April 19 99 personally appeared the above-named individual(s), to me known to be the person(s) who is (are) described in and who executed the foregoing assignment instrument and acknowledged to me that he/she (they) executed the same of his/her (their) own free will for the purpose therein expressed.



Trish Lomen-Loeber

Notary or Consular Officer

My Commission Expires: 3-26-03

(Signature)

James Pan

Date:

STATE OF

)

) ss.

County of

)

BEFORE ME, this _____ day of _____ 19 _____ personally appeared the above-named individual(s), to me known to be the person(s) who is (are) described in and who executed the foregoing assignment instrument and acknowledged to me that he/she (they) executed the same of his/her (their) own free will for the purpose therein expressed.

SEAL

Notary or Consular Officer

My Commission Expires: _____

(Signature) _____ Date: _____
Guoqing Chen

STATE OF _____)
County of _____) ss.

BEFORE ME, this _____ day of _____ 19____ personally appeared the above-named individual(s), to me known to be the person(s) who is (are) described in and who executed the foregoing assignment instrument and acknowledged to me that he/she (they) executed the same of his/her (their) own free will for the purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

(Signature) James N. Pan Date: 4/27/99
James Pan

STATE OF Colo)
County of El Paso) ss.

BEFORE ME, this 27 day of April 1999 personally appeared the above-named individual(s), to me known to be the person(s) who is (are) described in and who executed the foregoing assignment instrument and acknowledged to me that he/she (they) executed the same of his/her (their) own free will for the purpose therein expressed.

SEAL

KAREN I. MALDONADO
Notary or Consular Officer
My Commission Expires: 5/8/2002

KAREN I. MALDONADO
NOTARY PUBLIC
STATE OF COLORADO

My Commission Expires 05/08/2002

-Page 2 of 2-