

EV550716826

07-08-2005

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103036012

To the Director of the U.S. Patent and Trademark Office

Documents or the new address(es) below.

1. Name of conveying party(ies)

Randall Culver Fred D. Fishburn
Terrance B. McDaniel
Hongmei Wang
James L. Dale
Richard H. Lane

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**2. Name and address of receiving party(ies)**

Name: Micron Technology, Inc.

Internal Address:

Street Address: 8000 South Federal Way

City: Boise

State: ID

Country: US Zip: 83716

Additional name(s) & address(es) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) June 23, 2005

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

4. Application or patent number(s):☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

07/01/2005 SHASSEN1 00000049 11168893

07/01/2005 SHASSEN1 00000049 11168893

06 FC: 8021

(40.00 OP)

07 FC: 8021

40.00 OP

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Mark S. Matkin

Internal Address: Wells St. John P.S.

Street Address: 601 West First Avenue

Suite 1300

City: Spokane

State: WA Zip: 99201-3828

Phone Number: (509) 624-4276

Fax Number: (509) 838-3424

Email Address: mmatkin@wellsstjohn.com

6. Total number of applications and patents involved: Two (2)**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 80.00**

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number 23-0925 Deficiencies Only

Authorized User Name Mark S. Matkin

9. Signature:

Signature

6-28-05
Date

Mark S. Matkin

Name of Person Signing

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

11

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 016746 FRAME: 0391

ASSIGNMENT**PARTIES TO THE ASSIGNMENT:****INVENTORS:**

Randall Culver
Terrence B. McDaniel
Hongmei Wang
James L. Dale
Richard H. Lane
Fred D. Fishburn

ASSIGNEE:

Micron Technology, Inc.
Corporation of the State of Delaware
8000 South Federal Way
Boise, Idaho 83716

BACKGROUND OF THIS ASSIGNMENT:

Inventors have conceived certain new and useful inventions disclosed in a United States patent application titled "Ion Implanting Methods".

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt, sufficiency and adequacy of which is hereby acknowledged, INVENTORS have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the above-identified inventions and application and to any reissues, renewals, divisions or continuations of the application thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

INVENTORS further agree to execute, at the request and expense of ASSIGNEE such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any application papers required for the filing of any division, continuation, renewal or reissue of the patent application or resulting Letters Patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

INVENTORS further assign to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. INVENTORS agree to execute applications relating to the inventions in those countries and under those conventions where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent. INVENTORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of

ASSIGNEE to apply for patent and other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Dated: 6-23-05 Signature: Randall S Culver
Randall Culver

State of IDAHO)
) ss.
County of ADA)

BEFORE ME, this 23rd day of JUNE, 2005, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

SEAL



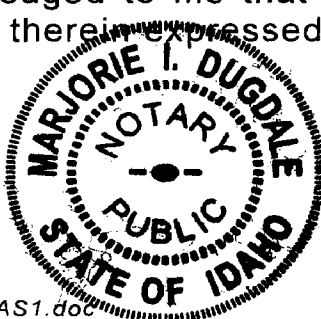
Merri Helms
Notary or Consular Officer
My Commission Expires: 8/15/2010

Dated: 6-21-05 Signature: Terrence B. McDaniel
Terrence B. McDaniel

State of Idaho)
) ss.
County of Ada)

BEFORE ME, this 21st day of June, 2005, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

SEAL



Marjorie I. Dugdale
Notary or Consular Officer
My Commission Expires: 11/12/2009

Dated: _____

Signature: _____
Hongmei Wang

State of _____)
County of _____) ss.

BEFORE ME, this _____ day of _____, 2005,
personally appeared the above-named inventor, known to me to be the person
who is described in and who executed the foregoing assignment instrument and
acknowledged to me that he executed the same of his own free will for the
purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

Dated: _____

Signature: _____
James L. Dale


State of _____)
County of _____) ss.

BEFORE ME, this _____ day of _____, 2005,
personally appeared the above-named inventor, known to me to be the person
who is described in and who executed the foregoing assignment instrument and
acknowledged to me that he executed the same of his own free will for the
purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

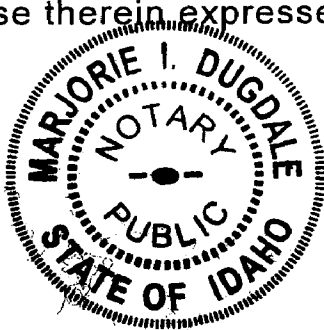
Dated: 6/23/05

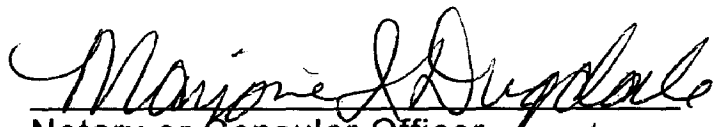
Signature: 
Richard H. Lane

State of IDAHO)
County of ADA) ss.

BEFORE ME, this 23rd day of June, 2005,
personally appeared the above-named inventor, known to me to be the person
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purpose therein expressed.

SEAL




Notary or Consular Officer
My Commission Expires: 11/12/2009

Dated: _____

Signature: _____
Fred D. Fishburn

State of _____)
County of _____) ss.

BEFORE ME, this _____ day of _____, 2005,
personally appeared the above-named inventor, known to me to be the person
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purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

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Randall Culver
Terrence B. McDaniel
Hongmei Wang
James L. Dale
Richard H. Lane
Fred D. Fishburn

ASSIGNEE:

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INVENTORS further agree to execute, at the request and expense of ASSIGNEE such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any application papers required for the filing of any division, continuation, renewal or reissue of the patent application or resulting Letters Patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

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ASSIGNEE to apply for patent and other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Dated: _____ Signature: _____
Randall Culver

State of _____)
County of _____) ss.

BEFORE ME, this _____ day of _____, 2005, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

Dated: _____ Signature: _____
Terrence B. McDaniel

State of _____)
County of _____) ss.

BEFORE ME, this _____ day of _____, 2005, personally appeared the above-named inventor, known to me to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

Dated: 06/09/2005

Signature: Hongmei Wang
Hongmei Wang

State of Virginia)
County of Prince William) ss.

BEFORE ME, this 9th day of June, 2005,
personally appeared the above-named inventor, known to me to be the person
who is described in and who executed the foregoing assignment instrument and
acknowledged to me that he executed the same of his own free will for the
purpose therein expressed.

SEAL

Kristin Halaldon
Notary or Consular Officer
My Commission Expires: 2/28/2009

Dated: 6/9/2005

Signature: James L. Dale
James L. Dale

State of Virginia)
County of Prince William) ss.

BEFORE ME, this 9th day of June, 2005,
personally appeared the above-named inventor, known to me to be the person
who is described in and who executed the foregoing assignment instrument and
acknowledged to me that he executed the same of his own free will for the
purpose therein expressed.

SEAL

Kristin Halaldon
Notary or Consular Officer
My Commission Expires: 2/28/2009

Dated: _____

Signature: _____
Richard H. Lane

State of _____)
County of _____) ss.
_____)

BEFORE ME, this _____ day of _____, 2005,
personally appeared the above-named inventor, known to me to be the person
who is described in and who executed the foregoing assignment instrument and
acknowledged to me that he executed the same of his own free will for the
purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____

Dated: 6/9/05

Signature: *Fred D. Fishburn*
Fred D. Fishburn

State of Virginia)
County of Prince William) ss.
_____)

BEFORE ME, this 9th day of June, 2005,
personally appeared the above-named inventor, known to me to be the person
who is described in and who executed the foregoing assignment instrument and
acknowledged to me that he executed the same of his own free will for the
purpose therein expressed.

SEAL

Kristin Maldon
Notary or Consular Officer
My Commission Expires: 2/28/2009