

09-09-2005

RE



To the Director of the U.S. Patent and Tr.

103077119

Documents or the new address(es) below.

1. Name of conveying party(ies)

Thomas M. Graettinger
John K. Zahurak
Shane J. Trapp
Thomas Arthur Figura

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

08/30/05, 08/29/05, 08/29/05
Execution Date(s) and 08/30/05, respectively

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

2. Name and address of receiving party(ies)

Name: Micron Technology, Inc.

Internal Address: M/S 1-525

Street Address: 8000 South Federal Way

P. O. Box 6

City: Boise

State: ID

Country: US Zip: 83707-0006

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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)

09/07/2005 MBELETE1 00000004 11217905

01 FC 8021

40.00 DP

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: One (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ 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

9-1-05

Date

Mark S. Matkin

Name of Person Signing

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

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

EV633265510

PATENT

REEL: 016938 FRAME: 0727

ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTORS:

Thomas M. Graettinger
John K. Zahurak
Shane J. Trapp
Thomas Arthur Figura

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 "Methods of Forming Openings Into Dielectric Material".

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: 8-30-2005

Signature: Thomas M. Graettinger
Thomas M. Graettinger

State of Idaho

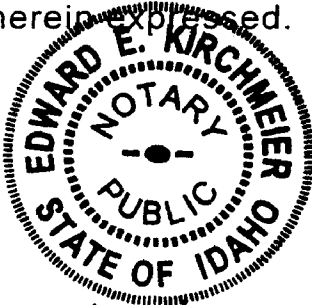
)
) ss.

County of Ada

)

BEFORE ME, this 30th day of August, 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



Edward E. Kirchmeier
Notary or Consular Officer
My Commission Expires: 3-21-11

Dated: 8/29/05

Signature: John K. Zahurak
John K. Zahurak

State of Idaho

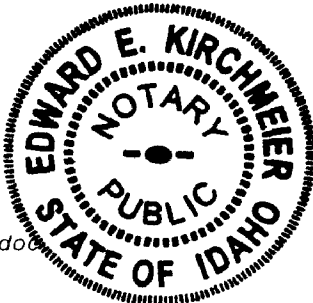
)
) ss.

County of Ada

)

BEFORE ME, this 29th day of August, 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



Edward E. Kirchmeier
Notary or Consular Officer
My Commission Expires: 3-21-11

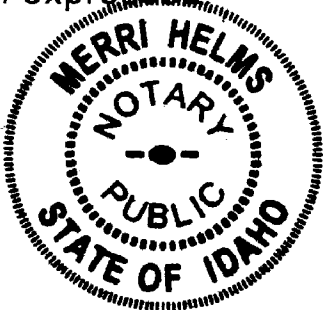
Dated: 8/29/05

Signature: Shane J. Trapp
Shane J. Trapp

State of IDAHO)
) ss.
County of ADA)

BEFORE ME, this 29TH day of AUGUST, 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: 3/31/2010

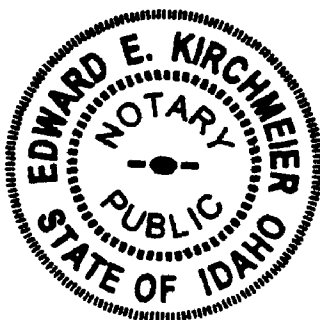
Dated: 8/30/05

Signature: Thomas A. Figueira
Thomas Arthur Figueira

State of Idaho)
) ss.
County of Ada)

BEFORE ME, this 30TH day of August, 2005,
personally appeared the above-named inventor, known to me to be the person
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purpose therein expressed.

SEAL



Edward E. Kirchmeier
Notary or Consular Officer
My Commission Expires: 3-21-11