

Atty Ref/Docket No.: 303.370US1

MRD 8-14-98

08-25-1998



100799368

To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Scott Jeffrey DeBoer, Husam N. Al-Shareef, Randhir P.S. Thakur and Dan Gealy

2. Name and address of receiving

Name: Micron Technology, Inc.

Additional name(s) of conveying party(ies) attached? []Yes [X]No

Street Address: 8000 South Federal Way

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

City: Boise State: ID ZIP: 83716-9632

Additional name(s) & address(es) attached? []Yes [X]No

Execution Date: April 14, 20, 21, 1998 and May 11, 1998

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)

B. Patent No.(s)

Serial No. 09/031,526, filed February 26, 1998

Additional numbers attached? []Yes [X]No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Daniel J. Kluth

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

6. 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. Please charge any additional fees or credit any overpayments to our Deposit account number: 19-0743

DO NOT USE THIS SPACE

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.

Daniel J. Kluth/Reg. No. 32,146
Name of Person Signing

Daniel J. Kluth
Signature

Aug. 11, 1998
Date

Total number of pages including cover sheet: 9

OMB No. 0651-0011 (exp. 4/94)

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**Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231**

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ASSIGNMENT

WHEREAS, WE, Scott Jeffrey DeBoer, residing at 259 E. Twin Willow, Boise, ID 83706, and Husam N. Al-Shareef, residing at 930 North Maple Grove, Boise, ID 83704, and Randhir P.S. Thakur, residing at 20200 Lucille Avenue, Apt. 16, Cupertino, CA 95014, and Dan Gealy, residing at 4300 Junayo Lane, Kuna, ID 83634, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on February 26, 1998, which application was assigned U.S. patent application serial number 09/031,526, and is entitled CAPACITOR HAVING TANTALUM OXYNITRIDE FILM AND METHOD FOR MAKING SAME.

AND WHEREAS, Micron Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 8000 So. Federal Way, Boise, ID 83706, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

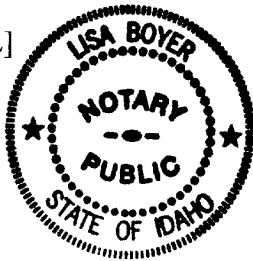
IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of April, 1998.

Scott Jeffrey DeBoer
Scott Jeffrey DeBoer

STATE OF Idaho)
)ss.
COUNTY OF Ada)

On this 14 day of April, 1998 before me personally appeared Scott Jeffrey DeBoer to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Lisa Boyer
Notary Public

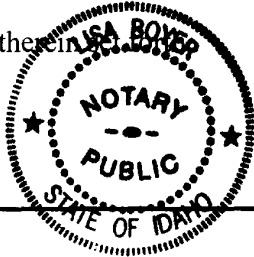
IN TESTIMONY WHEREOF, I have hereunto set my hand this 20th day of April, 1998.

Husam AlShareef
Husam N. Al-Shareef

STATE OF Idaho)
)ss.
COUNTY OF Ada)

On this 20 day of April, 1998 before me personally appeared Husam N. Al-Shareef to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein

[SEAL]



Lisa Boyer
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ___ day of _____, 1998.

Randhir P.S. Thakur

STATE OF _____)
)ss.
COUNTY OF _____)

On this ___ day of _____, 1998 before me personally appeared Randhir P.S. Thakur to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of April, 1998.

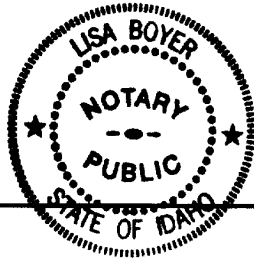
Dan Gealy
Dan Gealy

STATE OF Idaho)

)ss.
COUNTY OF Ada)

On this 21 day of April, 1998 before me personally appeared Dan Gealy to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Lisa Boyer
Notary Public

ASSIGNMENT

WHEREAS, WE, Scott Jeffrey DeBoer, residing at 259 E. Twin Willow, Boise, ID 83706, and Husam N. Al-Shareef, residing at 930 North Maple Grove, Boise, ID 83704, and Randhir P.S. Thakur, residing at 20200 Lucille Avenue, Apt. 16, Cupertino, CA 95014, and Dan Gealy, residing at 4300 Junayo Lane, Kuna, ID 83634, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on February 26, 1998, which application was assigned U.S. patent application serial number 09/031,526, and is entitled CAPACITOR HAVING TANTALUM OXYNITRIDE FILM AND METHOD FOR MAKING SAME.

AND WHEREAS, Micron Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 8000 So. Federal Way, Boise, ID 83706, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 1998.

Scott Jeffrey DeBoer

STATE OF _____)
)ss.
COUNTY OF _____)

On this ___ day of _____, 1998 before me personally appeared Scott Jeffrey DeBoer to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 1998.

Husam N. Al-Shareef

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 1998 before me personally appeared Husam N. Al-Shareef to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 11th day of May, 1998.

Randhir P.S. Thakur

Randhir P.S. Thakur

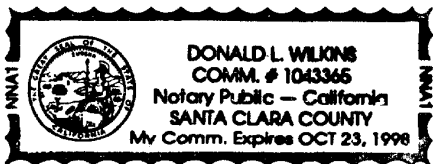
STATE OF CALIFORNIA)
)ss.
COUNTY OF SANTA CLARA)

On this 11th day of MAY, 1998 before me personally appeared Randhir P.S. Thakur to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Donald L. Wilkins

Notary Public



IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 1998.

Dan Gealy

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 1998 before me personally appeared Dan Gealy to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Notary Public