

FORM PTO-1584
01-10-96:CMG
Document ID No. 100667711
Atty Ref/Docket No.: 303.276US1

07-02-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



100753677

To the Honorable Commissioner of Patents and Trademarks

copy thereof.

1. Name of conveying party(ies):

Werner Juengling, Kirk D. Prall, Trung T. Doan,
Guy T. Blalock, David Dickerson and David S. Becker

2. Name and address of receiving party(ies):

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:

[X] 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: October 3, 14, 15, and 20, 1997

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. 08/915,386, filed August 20, 1997

Additional numbers attached? [] Yes [X] No

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

Name: Paul A. Bernkopf

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): \$ N/A

[] 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.

Paul A. Bernkopf/Reg. No. P-41,615

Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 6

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

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

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

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT
REEL: 9320 FRAME: 0917

03-20-1998

Atty Ref/Docket No.: 303.276US1

To the Honorable Commissioner of Patents and Trademark



100667711

py thereof.

1. Name of conveying party(ies):

Werner Juengling, Kirk D. Prall, Trung T. Doan,
Guy T. Blalock, David Dickerson and David S. Becker

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

3. Nature of conveyance:

- [X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other _____

Execution Date: October 3, 14, 15, and 20, 1998

2. Name and address of receiving party(ies):

Name: Micron Technology, Inc.

Street Address: 8000 So. Federal Way

City: Boise State: ID ZIP: 83706

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

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. 08/915,386, filed August 20, 1997

Additional numbers attached? [] Yes [X] No

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

Name: Bradley A. Forrest

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 *E*

[X] 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.

Bradley A. Forrest/Reg. No. 30,837

Name of Person Signing

Bradley A. Forrest

Signature

3-10-98

Date

Total number of pages including cover sheet: 6

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

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

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

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of information systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

PATENT
REEL: 9320 FRAME: 0918

ASSIGNMENT

WHEREAS, WE, Werner Juengling, residing at 5660 So. Tecoma Place, Boise, ID 83716, and Kirk Prall, residing at 2548 South Harmony, Boise, ID 83706, and Trung T. Doan, residing at 1574 Shanandoah Drive, Boise, ID 83712-6668, and Guy T. Blalock, residing at 8101 Silkwood Court, Boise, ID 83704, and David Dickerson, residing at 2946 E. Rivercrest Court, Bosie, ID 83706, and David S. Becker, residing at 2399 Sunshine Drive, Boise, ID 83712, made certain new and useful inventions and improvements for which We filed an application for Letters Patent of the United States on August 20, 1997, which application was assigned U.S. patent application serial number 08/915,386, and is entitled SELF-ALIGNED CONTACT FORMATION FOR SEMICONDUCTOR DEVICES.

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 83707, (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.

MAR 1 1998

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.

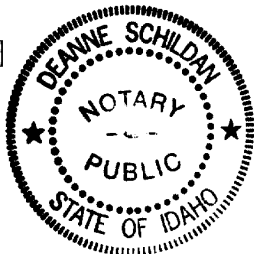
IN TESTIMONY WHEREOF, I have hereunto set my hand this 20 day of OCTOBER, 1997.

Werner Juengling
Werner Juengling

STATE OF Idaho)
)ss.
COUNTY OF Ada)

On this 20 day of October, 1997 before me personally appeared Werner Juengling 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]



Deanne Schildan
Notary Public

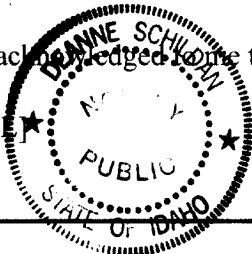
IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of Oct, 1997.

Kirk Prall
Kirk Prall

STATE OF Idaho
COUNTY OF Ada)ss.

On this 15 day of October, 1997 before me personally appeared Kirk Prall 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]



Deanne Schilder
Notary Public

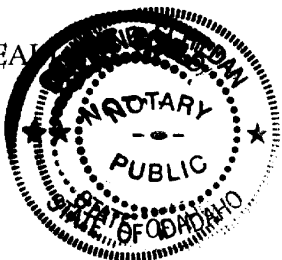
IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of Oct, 1997.

Trung T. Doan
Trung T. Doan

STATE OF Idaho
COUNTY OF Ada)ss.

On this 14 day of October, 1997 before me personally appeared Trung T. Doan 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]



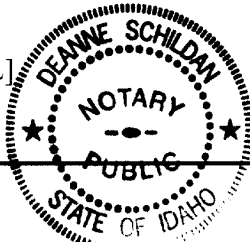
Deanne Schilder
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of October, 1997.

~~Guy T. Blalock~~

STATE OF Idaho)
)ss.
COUNTY OF Ada)

On this 14 day of October, 1997 before me personally appeared Guy T. Blalock 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.



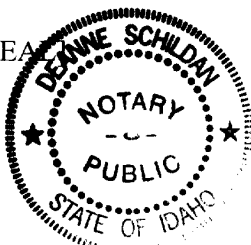
Deanne Schudar
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20 day of October, 1997.

David L. Dickerson
David Dickerson

STATE OF Idaho)
)ss.
COUNTY OF Ada)

On this 20 day of October, 1997 before me personally appeared David Dickerson 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.



Reanne Scheldor
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of October, 1997.

David S. Becker
David S. Becker

STATE OF Idaho

COUNTY OF Ada) ss.
)

On this 3 day of Oct, 1997 before me personally appeared David S. Becker 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]

[Signature]
Notary Public