



Atty Ref/Docket No.: 1303.039US1

102035488

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

1. Name of conveying party(ies):

3-13-02

Leonard Forbes, Kie Y. Ahn and Salman Akram

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: January 25, 2002, February 8, 2002, and March 6, 2002

4. Application number(s) or patent number(s):

10/099217

If this document is being filed together with a new application, the execution date of the application is: January 25, 2002, February 8, 2002, and March 6, 2002

A. Patent Application No.(s)

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: Edward J. Brooks, III

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

[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

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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.

Edward J. Brooks, III/Reg. No. 40,925

Name of Person Signing

Signature

Date

3/13/2002

Total number of pages including cover sheet: 10

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

03/27/2002 DBYRNE 00000101 10099217

01 FC:581

40.00 DP

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PATENT  
REEL: 12712 FRAME: 0230

## ASSIGNMENT

WHEREAS, WE, Leonard Forbes, residing at 965 NW Highland Terrace, Corvallis, OR 97330, and Kie Y. Ahn, residing at 639 Quaker St., Chappaqua, NY 10514, and Salman Akram, residing at 1463 E. Regatta Street, Boise, ID 83706, made certain new and useful inventions and improvements for which We executed an application for Letters Patent of the United States on Even Date Herewith, which is entitled HIGH PERMEABILITY LAYERED FILMS TO REDUCE NOISE IN HIGH SPEED INTERCONNECTS.

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 South Federal Way, Boise, ID 83716-9632, (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 therefore;

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, continuations-in-part, 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 \_\_\_\_\_, 2002.

## Leonard Forbes

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared Leonard Forbes 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 25<sup>th</sup> day of January, 2002.

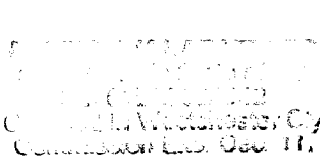
Kie Y Ahn

Kie Y. Ahn

STATE OF New York )  
 )ss.  
COUNTY OF Westchester

On this 25<sup>th</sup> day of January, 2002 before me personally appeared Kie Y. Ahn 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]



Patricia M. Suggs

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2002.

Salman Akram

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared Salman Akram 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

## ASSIGNMENT

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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, continuations-in-part, 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 3<sup>rd</sup> day of FEB, 2002.

  
Leonard Forbes

STATE OF Oregon )  
 )ss.  
COUNTY OF Benton )

On this 3<sup>rd</sup> day of February, 2002 before me personally appeared Leonard Forbes 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 \_\_\_\_\_, 2002.

Kie Y. Ahn

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared Kie Y. Ahn 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 \_\_\_\_\_, 2002.

**Salman Akram**

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared Salman Akram 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

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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 \_\_\_\_\_, 2002.

Leonard Forbes

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared Leonard Forbes 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 \_\_\_\_\_, 2002.

Kie Y. Ahn

STATE OF \_\_\_\_\_ )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_ day of \_\_\_\_\_, 2002 before me personally appeared Kie Y. Ahn 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 6<sup>th</sup> day of March, 2002.

## Salman Akram

STATE OF Idaho)  
COUNTY OF Ada) ss.

On this 12 day of March, 2002 before me personally appeared Salman Akram 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

