

07-08-2002

EET



TO THE ASSISTANT COMMISSIONER F

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al documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. Shubneesh Batra
2. Michael D. Chaine
3. Brent Keeth
4. Salman Akram
5. Troy A. Manning
6. Brian Johnson
7. Chris G. Martin
8. Todd A. Merritt
9. Eric J. Smith

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

Name: MICRON TECHNOLOGY, INC.

Internal Address:

Street Address: 8000 South Federal Way

City: Boise State: ID ZIP: 83707-0006

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

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: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) (1) May 22, 2002; (2) June 3, 2002; (3) May 22, 2002; (4) May 22, 2002; (5) May 22, 2002; (6) May 22, 2002; (7) May 22, 2002; (8) May 22, 2002; and (9) May 22, 2002.

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

- (X) Application(s) filed herewith
Execution Date(s): (1) May 22, 2002; (2) June 3, 2002; (3) May 22, 2002; (4) May 22, 2002; (5) May 22, 2002; (6) May 22, 2002; (7) May 22, 2002; (8) May 22, 2002; and (9) May 22, 2002.

() Patent Application No.:
Filing Date:

() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Adeel S. Akhtar
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: MICRON.239A

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Adeel S. Akhtar
Name of Person Signing

Signature

Date

41,394
Registration No.

Total number of pages including cover sheet, attachments and document: 7

11017 U.S. PRO
10/178172
05/21/02

40.00 OP

07/05/2002 LMIELLER 00000102 10178172

01 FC-581

PATENT
REEL: 013063 FRAME: 0152

ASSIGNMENT

WHEREAS, We, Shubneesh Batra, a citizen of India residing at 12166 W. Keates Dr., Boise, ID 83709, Michael D. Chaine, a U.S. citizen residing at 1948 S. Toluka Way, Boise, ID 83712, Brent Keeth, a U.S. citizen residing at 5077 N. Fifeshire Place, Boise, ID, 83713, Salman Akram, a citizen of Pakistan, residing at 1463 E. Regatta Street, Boise ID 83706, Troy A. Manning, a U.S. citizen residing at 8153 S. Obadiah Lane, Meridian, ID 83642, Brian Johnson, a U.S. citizen residing at 5977 E. Gateway Dr., Boise, ID 83716, Chris G. Martin, a U.S. citizen residing at 3669 E. Alta Ridge Ct., Boise, ID 83716, Todd A Merritt, a U.S. citizen residing at 6093 East Gateway Drive, Boise, ID 83716 and Eric J. Smith, a U.S. citizen residing at 270 W. Parliament Court, Boise, ID 83706 have invented certain new and useful improvements in a METHOD AND STRUCTURES FOR REDUCED PARASITIC CAPACITANCE IN INTEGRATED CIRCUIT METALLIZATIONS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Micron Technology, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 8000 South Federal Way, Boise ID 83707-0006, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of May, 2002.

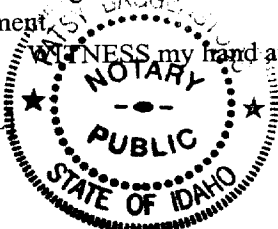
Shubneesh Batra
Shubneesh Batra

STATE OF Idaho }
COUNTY OF Ada } ss.

On 5/22/02, before me, Patsy Baggerst, personally appeared Shubneesh Batra personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Patsy Baggerst

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3rd day of June, 2002.

Michael D. Chaîne

Michael D. Chaîne

STATE OF

COUNTY OF

ss.

On 06/03/02, before me, TARA SKELTON, personally appeared Michael D. Chaîne personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Tara Skelton

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22nd day of MAY, 2002

Brent Keeth

STATE OF

COUNTY OF

Idaho

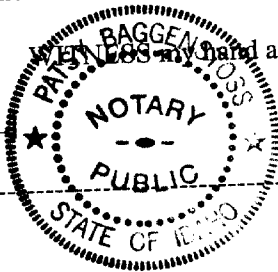
Ada

ss.

On 5/22/02, before me, Patsy Baggensher, personally appeared Brent Keeth personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Patsy Baggensher

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of May, 2002

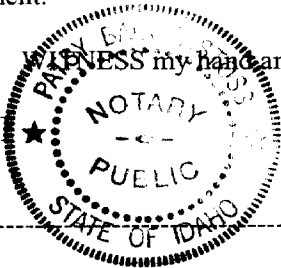
Salman Akram
Salman Akram

STATE OF Idaho]
COUNTY OF Ada] ss.

On 5/22/02, before me, Patsy Baggenstoss, personally appeared Salman Akram personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Patsy Baggenstoss
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of May, 2002

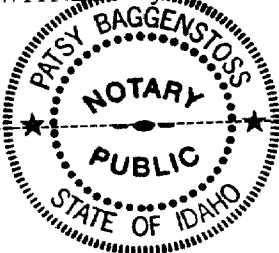
Troy A Manning
Troy A Manning

STATE OF Idaho]
COUNTY OF Ada] ss.

On 5/22/02, before me, Patsy Baggenstoss, personally appeared Troy A. Manning personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Patsy Baggenstoss
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of May, 2002.

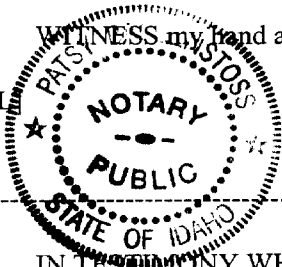
Brian Johnson
Brian Johnson

STATE OF Idaho]
COUNTY OF Ada] ss.

On 5/22/02, before me, Patsy Baggenstoss, personally appeared Brian Johnson personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Patsy Baggenstoss
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of May, 2002

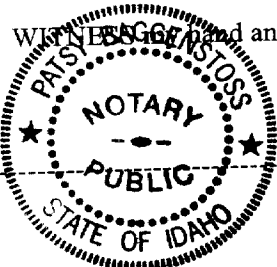
Chris G. Martin
Chris G. Martin

STATE OF Idaho]
COUNTY OF Ada] ss.

On 5/22/02, before me, Patsy Baggenstoss, personally appeared Chris G. Martin personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Patsy Baggenstoss
Notary Signature

Todd A. Merritt
Todd A. Merritt

Pat Baggenst
Notary Signature

Eric J. Smith

Pat Baggett
Notary Signature