



TO THE ASSISTANT COMMISSIONER FOR

101138962

Mail documents or copy thereof.

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

- 1. Robert J. Hanson
- 2. Won-Joo Kim
- 3. Mike E. Pugh

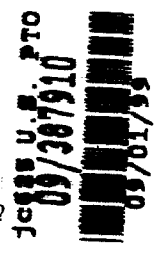
mro
9.1.99

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

Name: Micron Technology, Inc.
Street Address: 8000 South Federal Way
City: Boise State: ID ZIP: 83707

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:

09, 387910

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1. August 23, 1999
2. August 27, 1999
3. August 31, 1999

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

- (X) Application(s) filed herewith
Execution Date(s): *9/1/99*
- () 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: James B. Bear
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.122A

7. Total fee (37 CFR 3.41): \$40

- (X) Enclosed
- (X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

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.

James B. Bear
Name of Person Signing

[Signature]
Signature

9/1/99
Date

25,221
Registration No.

Total number of pages including cover sheet, attachments and document: 3

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

09/09/1999 DMGUYEN 00000098 09387910
01 FC:581 40.00 OP

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

Application No.: Unknown
Filing Date: Herewith

ASSIGNMENT


WHEREAS, We, Robert J. Hanson, a United States of America citizen, residing at 503 Avenue H, #513, Boise, ID 83712, Won-Joo Kim, a citizen of the Republic of Korea, residing at 1109 S. Dale Street, #104, Boise, ID 83706, and Mike E. Pugh, a United States of America citizen, residing at 7268 Edgebrook, Nampa, ID 83687, have invented certain new and useful improvements in a **BUFFER LAYER IN FLAT PANEL DISPLAY** 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, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other 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 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, 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.

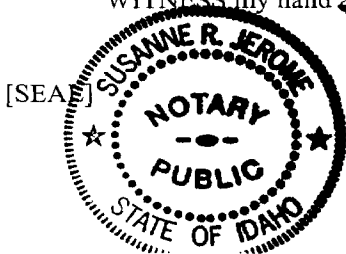
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 23 day of August 1999.



Robert J. Hanson

STATE OF _____
] ss.
COUNTY OF _____

On Aug. 23, 1999, before me, _____, personally appeared **Robert J. Hanson** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of August 1999

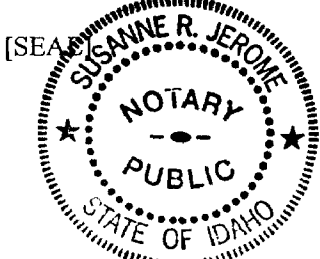
Won-Joo Kim

Won-Joo Kim

STATE OF IDAHO
COUNTY OF ADA] ss.

On 27 Aug 1999, before me, Susanne Jerome, personally appeared **Won-Joo Kim** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Susanne Jerome
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of Aug 1999

Mike E. Pugh
Mike E. Pugh

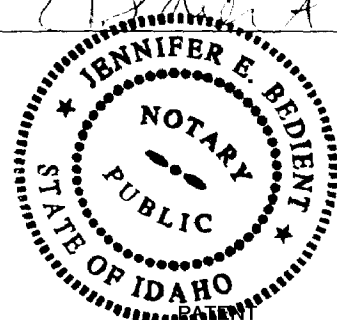
STATE OF Idaho
COUNTY OF Ada] ss.

On 31 Aug 1999, before me, Jennifer E. Bedient, personally appeared **Mike E. Pugh** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Jennifer E. Bedient
Notary Signature



Application No.: Unknown
Filing Date: Herewith

ASSIGNMENT

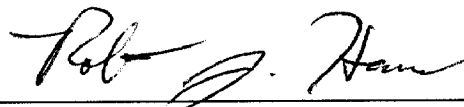
WHEREAS, We, Robert J. Hanson, a United States of America citizen, residing at 503 Avenue H, #513, Boise, ID 83712, Won-Joo Kim, a citizen of the Republic of Korea, residing at 1109 S. Dale Street, #104, Boise, ID 83706, and Mike E. Pugh, a United States of America citizen, residing at 7268 Edgebrook, Nampa, ID 83687, have invented certain new and useful improvements in a **BUFFER LAYER IN FLAT PANEL DISPLAY** 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, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other 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 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, 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.

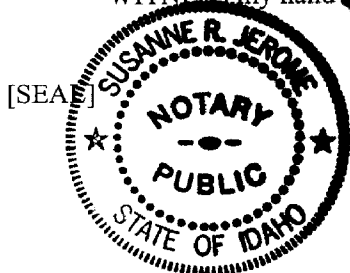
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 23 day of August 1999.



Robert J. Hanson

STATE OF _____
COUNTY OF _____ } ss.

On Aug. 23, 1999, before me, _____, personally appeared **Robert J. Hanson** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of August 1999

Kim W J

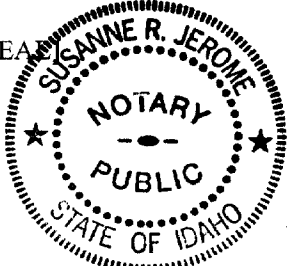
Won-Joo Kim

STATE OF IDAHO]
COUNTY OF ADA] ss.

On 27 Aug 1999, before me, Susanne Jerome personally appeared **Won-Joo Kim** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Susanne Jerome
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of Aug 1999

Mike E. Pugh
Mike E. Pugh

STATE OF Idaho]
COUNTY OF Ada] ss.

On 31 Aug 1999, before me, Jennifer E. Bedient, personally appeared **Mike E. Pugh** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Jennifer E Bedient
Notary Signature

