Execution Date(s):       in parentheses after inventor name       8000 South Federal Way         X Assignment       Merger       Charge of Name         Security Agreement       Joint Research Agreement       City:       Boise         Government Interest Assignment       Executive Order 9424, Confirmatory License       Country:       United States of America. Zip: 83716-9632         Other       Additional name(s) & address(es)       Yes       X No         A. Application or patent number(s):       X       This document is being filed together with a new application.         A. Patent Application No.(s)       B. Patent No.(s)       B. Patent No.(s)         Additional numbers attached?       Yes       No         State:       PERKINS COIE LLP       F. Total number of applications and patents involved:       1         Internal Address: P.O. Box 1247       Authorized to be charged to deposit account       X         Enclosed       None required (government interest not affecting it)         State:       WA       Zip: 98111-1247         Prone Number:       (206) 359-9000       Expiration Date         Exal Address:       Signature       September 1, 2005         Signature:       Signature       September 1, 2005         Name of Person Signing       Total number of pages including corer       7	RECORDAT	103078285
1. Name of conveying party(les):       2. Name and address of receiving party(les)         William Mark Hiatt (08/24/2005), Bavid R. Hembree (08/25/2005), Marter M. Fartworth (08/24/2005), and Kyby K. Kirby (08/24/2005)       Name: Micron Technology, Inc.         Additional name(s) of conveying partylesis statester?       Yes Xinb       Name:       Micron Technology, Inc.         Additional name(s) of conveying partylesis statester?       Yes Xinb       Name:       Micron Technology, Inc.         Steeut Address:       0000 South Federal Way       900       900       900         Security Agreement       Joint Research Agreement       City:       Boise       900       900         Other       Courting:       United States of America       Zip: 83716-9632       Additional name(s) & address(cs)       Yes Xinb         A Application or patent number(s):       X       This document is being filed together with a new application.       B. Patent No.(s)       B. Patent No.(s)         Street Address: Aty, DKI: 108298806US       Street Address: P.O. Box 1247       6. Total number of applications and address to deposit account         Name:       Patent Information       a. Credit Card       Last 4 Numbers         Street Address:       P.O. Box 1247       8. Payment Information       a. Credit Card       Last 4 Numbers         Name:       Patent Applications Not yo:       September 1, 2		
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(08/25/2005), Wark E. Tutle (08/29/2005), James M.       Name:		
and Kyte K. Kirby (08/24/2005)         Additional name(s) of conveying partytes) stacked?       Yes         Street Address:       Street Address:         Street Address:       Street Address:         Street Address:       Street Address:         Street Address:       Street Address:         Scourity Agreement       Joint Research Agreement         Government Interest Assignment       City:         Other       Boise         Other       State:         Other       Additional number(s):         A. Application or patent number(s):       X         A. Patent Application No.(s)       B. Patent No.(s)         S. Name and address to whom correspondance concerning document should be mailed:       S. Total number of applications and patents involved:       1         Name:       Patent No.(s)       S. Total number of applications and patents involved:       1         Internal Address: P.O. Box 1247       Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account       R. Payment Information         a. Credit Card       Last 4 Numbers       September 1, 2005         Signature:       Signature       September 1, 2005       Date         Signature:       Signature       September 1, 2005       Date         Nam	(08/25/2005), Mark E. Tuttle (08/29/2005), James M	A. Name:Wilcron Technology, mc.
Additional name(s) of conveying party(tes) attached?       Yes       No         3. Nature of conveyance/Execution Date(s):       B000 South Federal Way         Execution Date(s):       in parentheses after inventor name       B000 South Federal Way         Assignment       Merger       Change of Name         Socurity Agreement       Joint Research Agreement       Boise         Government Interest Assignment       Execution Order 9424. Confirmatory License       Contry:       United States of America       Zp: 83716-9632         Other		
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Other       Additional name(s) & address(es)       Yes       X No         4. Application or patent number(s):       X       This document is being filed together with a new application.         A. Patent Application No.(s)       B. Patent No.(s)       B. Patent No.(s)         States       Yes       X No         5. Name and address to whom correspondence concerning document should be mailed:       No         Name:       Paul T. Parker         PERKINS COLE LLP       Fortal number of applications and patents involved:         Internal Address: Atty. Dkt: 108298806US         Street Address: P.O. Box 1247         City:       Seattle         State:       WA         Zip:       98111-1247         Prone Number:       (206) 359-9000         Fax Number:       (206) 359-9000         Email Address:       Signature         Signature:       Signature         Signature:       Signature         Signature:       Signature         Signature       Total number of pages including cover         Aaron J. Poledna - 54,675       Total number of pages including cover	Government Interest Assignment	State: Idaho
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5. Name and address to whom correspondence concerning document should be mailed:       Image: Paul T. Parker PERKINS COIE LLP         Name:       Paul T. Parker PERKINS COIE LLP         Internal Address: Atty. Dkt.: 108298806US         Street Address: P.O. Box 1247         City:       Seattle         State:       WA         Zip:       98111-1247         Phone Number:       (206) 359-8000         Fax Number:       (206) 359-8000         Fax Number:       (206) 359-9000         Fax Number:       (206) 359-9000         Fax Number:       (206) 359-9000         Signature:       September 1, 2005         Signature:       September 1, 2005         Aaron J. Poledna - 54,675       Total number of pages including cover         Name of Person Signing       Total number of pages including cover	A. Patent Application No.(s)	B. Patent No.(s)
5. Name and address to whom correspondence concerning document should be mailed:       1         Name:       Paul T. Parker PERKINS COIE LLP         Internal Address: Atty. Dkt.: 108298806US       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         Street Address: P.O. Box 1247       Authorized to be charged by credit card         Authorized to be charged to deposit account       X Enclosed         State:       WA       Zip: 98111-1247         Phone Number:       (206) 359-8000         Fax Number:       (206) 359-9000         Fax Number:       (206) 359-9000         Bain Address:       Signature         Signature:       Signature         Aaron J. Poledna - 54,675       Total number of pages including cover         Name of Person Signing       Total number of pages including cover		
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PERKINS COIE LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Internal Address: Atty. Dkt.: 108298806US       Authorized to be charged by credit card         Street Address: P.O. Box 1247       Authorized to be charged to deposit account         Image: City:		
Internal Address: Atty. Dkt.: 108298806US         Street Address: P.O. Box 1247         Authorized to be charged by credit card         Authorized to be charged to deposit account         Image: State:       VA         State:       WA         Zip:       98111-1247         Phone Number:       (206) 359-8000         Fax Number:       (206) 359-9000         Email Address:       b. Deposit Account Number         9. Signature:       Signature         Authorized User Name       Date         Aaron J. Poledna - 54,675       Total number of pages including cover sheet, attachments, and documents:		
Street Address: P.O. Box 1247       Authorized to be charged to deposit account         Street Address: P.O. Box 1247       None required (government interest not affecting tit         City:       Seattle         State:       WA         Zip:       98111-1247         Phone Number:       (206) 359-8000         Fax Number:       (206) 359-9000         Email Address:       b. Deposit Account Number         9. Signature:       September 1, 2005         Signature       Date         Aaron J. Poledna - 54,675       Total number of pages including cover sheet, attachments, and documents:		
City:       Seattle         State:       WA         Zip:       98111-1247         Phone Number:       (206) 359-8000         Fax Number:       (206) 359-9000         Email Address:       b. Deposit Account Number         9. Signature:       Signature         Mathematical Card       September 1, 2005         Signature:       Date         Mathematical Card       September 1, 2005         Signature:       Date         Mathematical Card       September 1, 2005         Signature       Date         Aaron J. Poledna - 54,675       Total number of pages including cover sheet, attachments, and documents:		Authorized to be charged by credit card
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9. Signature: Aaron J. Poledna - 54,675 Name of Person Signing September 1, 2005 Date Total number of pages including cover sheet, attachments, and documents: 7		
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)5 DTESSEM1 00000041 11217#77	Aaron J. Poledna - 54,675	sneet, attachments, and documents.

## ASSIGNMENT

THIS ASSIGNMENT is by Steven D. Oliver, Lu Velicky, William Mark Hiatt, David R. Hembree, Mark E. Tuttle, Sidney B. Rigg, James M. Wark, Warren M. Farnworth, and Kyle K. Kirby (the "Assignors"), residing at 2233 E. Roanoke Avenue, Boise, Idaho 83712; 4226 E. Arborvitae Court, Boise, Idaho 83716; 1137 West Stafford Drive, Eagle, Idaho 83616; 11074 W. Edgehill Drive, Boise, Idaho 83709; 1998 Table Rock Road, Boise, Idaho 83712; 2477 N. Leann Way, Meridian, Idaho 83642; 4119 W. Quail Ridge Drive, Boise, Idaho 83703; 2004 S. Banner Street, Nampa, Idaho 83686; 10681 N. Sagecrest Place, Boise, Idaho 83703, respectively. We Assignors have invented one or more certain inventions (the "Invention(s)") described in a United States Patent Application entitled "MICROELECTRONIC IMAGING UNITS AND METHODS OF MANUFACTURING MICROELECTRONIC IMAGING UNITS AT THE WAFER LEVEL" (the "Application") and executed concurrently herewith.

Micron Technology, Inc., a corporation of the State of Delaware having a place of business at 8000 South Federal Way, P.O. Box 6, Boise, Idaho 83716-9632 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue

Page 1

any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

\* \* \* \* \* \* \*

Date:\_\_\_\_\_

Steven D. Oliver

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

before me,

personally appeared Steven D. Oliver, 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/she executed the same in his/her authorized capacity, and that by his/her 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)

On

Signature

\* \* \* \* \* \* \*

Page 2

Date:\_\_\_\_\_

On

Lu Velicky

STATE OF \_\_\_\_\_

COUNTY OF

before me,

personally appeared Lu Velicky, 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/she executed the same in his/her authorized capacity, and that by his/her 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)

Signature

Date: <u>08.24.0</u>ς

STATE OF <u>Idaho</u> COUNTY OF Ada

On 8-24-05 before me, Edward E. Kirchmeier personally appeared William Mark Hiatt, 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

(Seal)

Signature exp 3-21-11

WITNESS my hand and official seal.

\* \* \* \* \* \* \*

Date: 8/25/2005

(Seal)

Hala

David R.

STATE OF	Idaho	
COUNTY OF _	Ada	

On <u>8-25-05</u> before me, <u>Eduard E. Kirchmeter</u>, personally appeared David R. Hembree, 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/she executed the same in his/her authorized capacity, and that by his/her 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.

Ednal Church-Signature exp3-21-

Date: 8-29-05 STATE OF Edaho COUNTY OF Ada On <u>8-29-05</u> before me, <u>Edward E. Kirchmelor</u>

personally appeared Mark E. Tuttle, 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/she executed the same in his/her authorized capacity, and that by his/her 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.

(Seall PD E. KIACH

[Q:\Clients\Micron Technology (10829)\8806\Assignment.doc]

Page 4

\* \* \* \* \* \* \*

Date:\_\_\_\_\_

Sidney B. Rigg

STATE OF

COUNTY OF \_\_\_\_\_

before me,

personally appeared Sidney B. Rigg, 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/she executed the same in his/her authorized capacity, and that by his/her 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)

On

Signature

MWa Date: 8/30/05 STATE OF \_ Idaho COUNTY OF Ada On 8-30-05 before me, Edward E Kirchmeler

personally appeared James M. Wark, 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/she executed the same in his/her authorized capacity, and that by his/her 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.

Signature exp 3-21-

(Seal)



REEL: 016953 FRAME: 0079

Page 5

\* \* \* \* \* \* \*

Date: 8-24-04

STATE OF <u>Idaho</u> COUNTY OF <u>Ada</u>

On <u>8-24-05</u> before me, <u>Edward E. Kirchmeter</u>, personally appeared Warren M. Farnworth, 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her 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)

Page 6

PATENT REEL: 016953 FRAME: 0080

RECORDED: 09/01/2005

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