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Form PTO-1595
(Rev. 03/01)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

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

1. Name of conveying party(ies):
Ross S. Dando; Craig M. Carpenter; Allen P. Mardian;
Garo J. Derderian; Dan Gealy

19 09 02

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: August 13, 2002

2. Name and address of receiving party(ies)

Name: Micron Technology, Inc.

Internal Address: _____

Street Address: 8000 S. Federal Way

City: Boise State: Idaho Zip: 83706

Additional name(s) & address(es) attached? Yes 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)
10/223,175

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Killworth, Gottman, Hagan & Schaeff, LLP

Internal Address: _____

Street Address: One Dayton Centre

One South Main Street, Suite 500

City: Dayton State: OH Zip: 45402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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.

Timothy w. Hagan

Name of Person Signing

Signature

September 3, 2002

Date

09/12/2002 DBYRNE

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Total number of pages including cover sheet, attachments, and documents: 9

01 FC:581

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

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

PATENT
REEL: 013270 FRAME: 0111

ASSIGNMENT

WHEREAS, we, **ROSS S. DANDO** of Nampa, ID, **CRAIG M. CARPENTER** of Boise, ID, **ALLEN P. MARDIAN** of Boise, ID, **GARO J. DERDERIAN** of Boise, ID and **DAN GEALY** of Kuna, ID, invented certain new and useful **METHOD AND APPARATUS FOR DELIVERING PRECURSORS** for which we executed an application for a United States Patent and for which said application for United States Patent was filed on August 19, 2002, under

Patent Application Serial No. 10/223,175

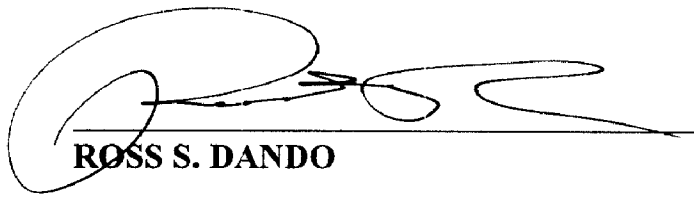
Attorney Docket No. MIO 0091 PA/01-0298;

WHEREAS, we hereby authorize and request the attorney(s) and/or agent(s) empowered to act on our behalf in the aforementioned application, to insert above the filing date and application number of said application, when known;

AND WHEREAS, Micron Technology, Inc., a corporation of the State of Delaware, with a place of business at 8000 S. Federal Way, Boise, Idaho 83706-9632, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, receipt whereof is hereby acknowledged, we hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and we hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and we hereby agree that, upon request, we will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.


August IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13th day of _____, 2002.


ROSS S. DANDO

State of IDAHO)
County of ADA) ss

On this 13 day of AUGUST, 2002 before me a Notary Public in and for the above County and State, personally appeared the above named **ROSS S. DANDO** personally known to me, and acknowledged the execution of the foregoing assignment as a free act and deed for the purpose herein set forth.




Notary Public

August 13 day of
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of
_____, 2002.

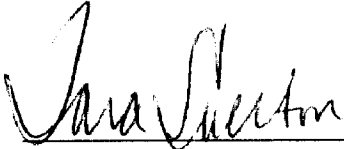


CRAIG M. CARPENTER

State of IDAHO)
County of ADA) ss
_____)

On this 13 day of AUGUST, 2002 before me a Notary Public in and for the above County and State, personally appeared the above named **CRAIG M. CARPENTER** personally known to me, and acknowledged the execution of the foregoing assignment as a free act and deed for the purpose herein set forth.





Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14 day of

August, 2002.

Allen P. Mardian
ALLEN P. MARDIAN

State of IDAHO)
) ss
County of ADA)

On this 14 day of AUGUST, 2002 before me a Notary Public in and for the above County and State, personally appeared the above named **ALLEN P. MARDIAN** personally known to me, and acknowledged the execution of the foregoing assignment as a free act and deed for the purpose herein set forth.

Tara Skelton
Notary Public




IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14 day of August, 2002.


GARO J. DERDERIAN

State of Idaho)
) ss
County of ADA)

On this 14 day of AUGUST, 2002 before me a Notary Public in and for the above County and State, personally appeared the above named **GARO J. DERDERIAN** personally known to me, and acknowledged the execution of the foregoing assignment as a free act and deed for the purpose herein set forth.




Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14 day of

August, 2002.

Dan Gealy
DAN GEALY

State of IDAHO)
County of ADA) ss

On this 14 day of AUGUST, 2002 before me a Notary Public in and for the above County and State, personally appeared the above named **DAN GEALY** personally known to me, and acknowledged the execution of the foregoing assignment as a free act and deed for the purpose herein set forth.

Tara Skelton
Notary Public

