

09-16-1998

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100830122

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

1. Name of conveying party(ies):

Brian A. Vaartstra

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

2. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: September 1, 1998

MRD 9-3-98

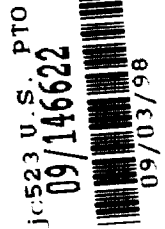
2. Name and address of receiving party(ies):

Name: Micron Technology, Inc.

Street Address: 8000 South Federal Way

City: Boise State: ID ZIP: 83707

Additional name(s) & address(es) attached? Yes No



4. Application number(s) or patent number(s): 09146622

If this document is being filed together with a new application, the execution date of the application is: September 1, 1998

A. Patent Application No(s).

B. Patent No(s).

Title: **METHODS FOR FORMING PHOSPHORUS- AND/OR BORON-CONTAINING SILICA LAYERS ON SUBSTRATES**

Additional numbers attached? Yes No

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

Name: Ann M. Mueting
Address: MUETING, RAASCH & GEBHARDT, P.A.
P.O. Box 581415
Minneapolis, MN 55458-1415

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. Please charge any additional fees or credit any overpayments to Deposit account number: 13-4895

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.

Ann M. Mueting/Reg. #33,977
Name of Person Signing

Ann M. Mueting
Signature

September 3, 1998
Date

40.00 IP

Total number of pages including cover sheet, attachments, and document(s): _____

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

09/11/1998 JMWTKINS 00000124 09146622

FC:501

PATENT
REEL: 9442 FRAME: 0631

ASSIGNMENT

Whereas I, Brian A. Vaartstra, with residence and citizenship as indicated below; have made an invention in

METHODS FOR FORMING PHOSPHORUS-AND/OR BORON-CONTAINING SILICA LAYERS ON SUBSTRATES

Filed: Herewith

Serial No.: Unassigned

and executed an application for Letters Patent of the United States of America based thereon;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto Micron Technology, Inc. ("Company"), a corporation of Boise, Idaho, having its principal office at 8000 South Federal Way, Boise, Idaho 83707, its successors and assigns, the entire right, title, and interest in and to said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by the Company of whichever of us, solely or jointly with one or more others, has made the same), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made;

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by the Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of said applications, to Micron Technology, Inc. as the assignee of the entire right, title, and interest therein.

In witness whereof, I have hereunto signed my name on the day and year set forth below.

Brian A. Vaartstra 1 Sept 98

Name: Brian A. Vaartstra Date
Address: 3417 Braden Lane, Nampa, ID 83686
Citizenship: Canada

STATE OF IDAHO)
) ss.
COUNTY OF ADA)

On this 1 day of September 19 98 before me personally appeared Brian A. Vaartstra to me known to be the person described in and who executed the foregoing instrument, and he/she executed the same for the uses and purposes therein set forth.

Susanne R. Jerome
Notary Public

