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To the Honorable Commissioner of Patents and Trademarks

ed original documents or copy thereof.

1. Name of conveying party(ies):
James L. Dale

7.22.04

2. Name and address of receiving party(ies)

Name: Micron Technology, Inc.

Internal Address: Mail Stop 1-525

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other _____

Street Address: 8000 S Federal Way

City: Boise State: ID Zip: 83716

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: July 22, 2004

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

10897258

If this document is being filed together with a new application, the execution date of the application is: July 22, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David J. Paul

Internal Address: Micron Technology, Inc.

Mail Stop 1-525

Street Address: 8000 S Federal Way

City: Boise State: ID Zip: 83716

6. Total number of applications and patents involved: 1

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

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

13-3092, Order No. 2004-0071.00/US

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

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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.

David J. Paul

Name of Person Signing

Signature

07/22/2004 Date

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

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

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

22386 U.S. PTO
10/897258

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07/30/2004 LMI/ELER 0000145 133092

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In re application of: James L. Dale

[illegible]

§ Group Art Unit:

§ Examiner:

Filed: July 22, 2004

§ Atty. Docket: 2004-0071.00/US

For: METHODS OF FORMING A CONTACT
OPENING IN A SEMICONDUCTOR ASSEMBLY
USING A DISPOSABLE HARD MASK

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to MICRON TECHNOLOGY, INC., (the "Assignee"), a corporation of Delaware having a place of business at 8000 S. Federal Way, Boise, ID 83706, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled: such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

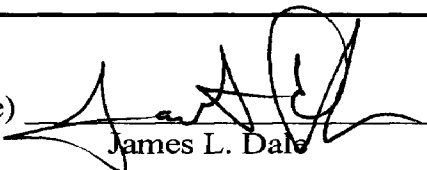
AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper

patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature)  Date: 7/22/04
James L. Dale

STATE OF IDAHO)
) ss.
County of Ada)

BEFORE ME, this _____ day of _____ 20____ personally appeared the above-named individual(s), to me known to be the person(s) who is (are) described in and who executed the foregoing assignment instrument and acknowledged to me that he/she (they) executed the same of his/her (their) own free will for the purpose therein expressed.

SEAL

Notary or Consular Officer
My Commission Expires: _____
