

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2850704

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LEONARD FORBES	08/22/2006
KIE Y. AHN	08/21/2006
ARUP BHATTACHARYYA	08/21/2006
RECEIVING PARTY DATA	
Name:	Micron Technology, Inc.
Street Address:	8000 So. Federal Way
City:	Boise
State/Country:	IDAHO
Postal Code:	83716-9632
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13915341
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
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Correspondent Name:	SCHWEGMAN, LUNDBERG & WOESSNER, P.A.
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Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	1303.185US4
NAME OF SUBMITTER:	LISA M. LEE
SIGNATURE:	/Lisa M. Lee/
DATE SIGNED:	05/12/2014
Total Attachments: 5	
source=1303185US4Assignment#page1.tif	
source=1303185US4Assignment#page2.tif	
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source=1303185US4Assignment#page5.tif	

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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 1303.185US4

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Leonard Forbes, Kie Y. Ahn, Arup Bhattacharyya

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

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

Name: Micron Technology, Inc.

Street Address: 8000 So. Federal Way

City: Boise State: ID Zip: 83716-9632

Country: United States of America

3. Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement [] Change of Name

[] Other

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

Execution Date: August 22, 2006, August 21, 2006,
August 21, 2006

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)

B. Patent No.(s)

Serial No. 13/915,341

Additional numbers attached? [] Yes [X] No

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

Name: David R. Cochran

Address:

Schwegman, Lundberg & Woessner, P.A.

P.O. Box 2938

Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 0.00

[] Enclosed

[] Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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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 R. Cochran/Reg. No. 46,632

Name of Person Signing

David R. Cochran

Signature

12 May 2014

Date

Total number of pages including cover sheet: 5

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

Commissioner of Patents and Trademarks

Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

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REEL: 032867 FRAME: 0533

ASSIGNMENT

WHEREAS, We, Leonard Forbes, residing at 7340 NW Mountain View Drive, Corvallis, OR 97330-9113, and Kie Y. Ahn, residing at 639 Quaker St., Chappaqua, NY 10514, and Arup Bhattacharyya, residing at 18 Glenwood Drive, Essex Junction, VT 05452, made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on even date herewith, which is entitled HAFNIUM TANTALUM OXYNITRIDE HIGH-K DIELECTRIC AND METAL GATES:

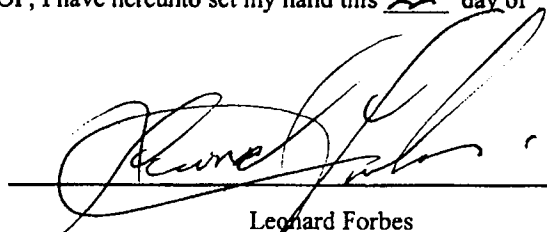
AND WHEREAS, Micron Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 8000 So. Federal Way, Boise, ID 83716-9632 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22nd day of Aug., 2006.




Leonard Forbes

STATE OF Oregon)
)ss
COUNTY OF Benton)

On this 22nd day of August, 2006 before me personally appeared Leonard Forbes, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]





Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 21st day of
August, 2006.

Kie Y Ahn

Kie Y. Ahn

STATE OF New York)
)ss
COUNTY OF Westchester)

On this 21st day of August, 2006 before me personally appeared Kie Y. Ahn, to
me known and known to me to be the person described in and who executed the foregoing instrument,
and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set
forth.

[SEAL] ANGELLA R. HENRY
Notary Public, State of New York
No. 01HE6031500
Qualified in Westchester County
Commission Expires Oct. 4, 2007

[Signature]
Notary Public

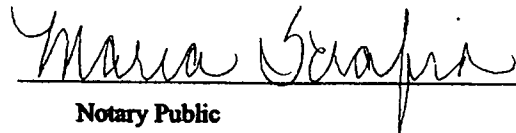
IN TESTIMONY WHEREOF, I have hereunto set my hand this 21 day of
August, 2006.


Arup Bhattacharyya

STATE OF Vermont
COUNTY OF Chittenden)ss

On this 21 day of August, 2006 before me personally appeared Arup Bhattacharyya, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]


Notary Public
