504642314 11/14/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4689034

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NAVEEN VITTAL PRABHU	10/31/2017
ALIASGAR S MADRASWALA	10/31/2017
SIMON RAMAGE	10/20/2017

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:	15800958

CORRESPONDENCE DATA

Fax Number: (612)339-3061

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 612-373-6900 Email: request@slwip.com

SCHWEGMAN LUNDBERG & WOESSNER, P.A. **Correspondent Name:**

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

ATTORNEY DOCKET NUMBER:	303.G08US1
NAME OF SUBMITTER:	JULIE A. NELSON
SIGNATURE:	/ Julie A. Nelson /
DATE SIGNED:	11/14/2017

Total Attachments: 12

source=303G08US1_assignment_signed#page1.tif source=303G08US1_assignment_signed#page2.tif source=303G08US1_assignment_signed#page3.tif source=303G08US1_assignment_signed#page4.tif



RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 303.G08US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Micron Technology, Inc. Naveen Vittal Prabhu, Aliasgar S. Madraswala, Simon Street Address: 8000 So. Federal Way Ramage Additional name(s) of conveying party(ies) attached? City: <u>Boise</u> State: <u>ID</u> Zip: <u>83716-9632</u> Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: October 31, 2017, October 31, 2017, October 20, 2017 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. 15/800,958 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: William E. Kalweit [Enclosed] [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, Minnesota 55402--0938 DO NOT USE THIS SPACE 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. William & Halwest November 8, 2017 William E. Kalweit/Reg. No. 70,481 Name of Person Signing Total number of pages including cover sheet: 12

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

ASSIGNMENT

WHEREAS, Naveen Vittal Prabhu, Aliasgar S. Madraswala and Simon Ramage (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on November 1, 2017, assigned US application serial number 15/800,958, and titled NAND FLASH THERMAL ALERTING.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 So. Federal Way, Boise, ID 83716-9632, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

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

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 73115 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

Page 2 of 5

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall 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 without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignor: (Signature):
Name: Naveen Vittal Prabhu
City/State: Folsom, CA
Date: October 31,5t 2017
state of <u>California</u>
COUNTY OF <u>Sacramento</u>
On this 35 th day of October, 2017 before me, 2thie MCQU, Notary POCK personally appeared Navien Vittal Prakhu, who
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 executed the same in his authorized capacity, and

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

that by his signature on the instrument the person, or the entity upon behalf of which the person acted,

WITNESS my hand and official seal.

[SEAL]

Notary Public



executed the instrument.

CALIFORNIA JURAT WITH AFFIANT STAT	FEMENT GOVERNMENT CODE § 8202
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W	WIA
Signature of Document Signer No. 1	Signature of Document Signer No. 2 (if any)
	tificate verifies only the identity of the individual who signed the ot the truthfulness, accuracy, or validity of that document.
State of California	Subscribed and sworn to (or affirmed) before me
County of Sacramento	on this $\frac{31^{5+}}{Date}$ day of $\frac{0ctober}{Month}$, $\frac{2017}{Year}$, $\frac{1}{10}$ NAVEEN VITTAL PRABHU
	(and (2)
CATHIE MCCALL Commission # 2045874 Notary Public - California Sacramento County My Comm. Expires Nov 14, 2017	proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me. Signature
	Signature of Notary Public
Seal Place Notary Seal Above	meron Ref No. ID14-6265.00/US
Though this section is optional, completing	OPTIONAL this information can deter alteration of the document or this form to an unintended document.
Description of Attached Document	a Cocitility Patent 128/10
Description of Attached Document Title or Type of Document: Declaration Number of Pages: Signer(s) Other Than	Document Date: (OK)
Number of Pages: Signer(s) Other Than	Named Above:
©2014 National Notary Association • www National	Notary org • 1-800-US NOTARY (1-800-876-6827) Item #5910

Assignor:

(Signature):

Name: Aliasgar S. Madraswala

City/State: Folsom, CA

Date:

October SIST 2017

state of <u>Califor</u>nia

COUNTY OF <u>Sacramonto</u>

On this 313, day of October, 2017 before me, Cathie MCCII, Notary Fiblic personally appeared Aliassars, Modras we who

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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

CATHIE MCCALL
Commission # 2045874
Notary Public - California
Sacramento County
My Comm. Expires Nov 14, 2017

Notary Public

See Attached Document (Notary to cross out I	
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	cate verifies only the identity of the individual who signed the the truthfulness, accuracy, or validity of that document.
State of California County of Sacramento	Subscribed and sworn to (or affirmed) before me on this 315+ day of 400er, 2017, by Date Month Year
	(and (2) NAMe(s) of Signer(s)
CATHIE MCCALL Commission # 2045874 Notary Public - California Sacramento County My Comm. Expires Nov 14, 2017	proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me. Signature of Notary Public
Seal Place Notary Seal Above	micron reference # IV14-6265.00/UB
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©2014 National Notary Association • www.NationalNo	

CALIFORNIA JURAT WITH AFFIANT STATEMENT

PATENT REEL: 044125 FRAME: 0040

GOVERNMENT CODE § 8202

Attorney Docket No. 303.G08US1 Client Ref. No. ID14-6265.00/US

ASSIGNMENT

WHEREAS, Naveen Vittal Prabhu, Aliasgar S. Madraswala and Simon Ramage (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention"); as described in the patent application filed on November 1, 2017, assigned US application serial number 15/800,958, and titled NAND FLASH THERMAL ALERTING.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Micron Technology, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 8000 So. Federal Way, Boise, ID 83716-9632, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

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

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 73115 may (directly or through his/her designee) delete, insert, or alter any information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

Assignment Docket No: 303.G08US1
Assignors: Naveen Vittal Prabhu et al. Client Ref. No. ID14-6265.00/US

Title: NAND FLASH THERMAL ALERTING Page 2 of 5

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall 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 without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment
Assignors: Naveen Vittal Prabhu et al.
Title: NAND FLASH THERMAL ALERTING

Page 3 of 5

Docket No: 303.G08US1 Client Ref. No. ID14-6265.00/US

Assignor:						
(Signature):						
	Name: Naveen Vittal Prabhu City/State: Folsom, CA					
Date:						
STATE OF)					
COUNTY OF _)					
On	this, day		, á		before	me,
proved to me	on the basis of satisfactory evic					who to the
within instrun	nent and acknowledged to me th	nat he executed the sa	ame in his a	uthorize	d capacit	y, and
that by his sig	nature on the instrument the per	son, or the entity upo	n behalf of v	which th	e person	acted,
executed the	instrument.					
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WITN	ESS my hand and official seal.					
[SEAL]						
		Nota	ry Public			

Assignment
Assignors: Naveen Vittal Prabhu et al.
Title: NAND FLASH THERMAL ALERTING

Page 4 of 5

Docket No: 303.G08US1 Client Ref. No. ID14-6265.00/US

Assignor:							
(Signature):							
	Name: Aliasgar S. Ma		-				
Date:							
STATE OF)						
COUNTY OF _)					
On	this,	day . personal			2017	before	me, who
proved to me	on the basis of satisfact						
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WITN	ESS my hand and official :	seal.					
[SEAL]							
				Notary Public			

Assignor:

(Signature):

Name: Simon Ramage

City/State: Vancouver, BC, Canada

WITNESSES:

Dated Oct 20,2017

Signature

Printed Name | Mran

Address JELZ Mayblew Cir

Burnaby BC VSE 4B8

Dated Oct 20, 2017

Printed Name Lic HAZD

Address 142 DURWAM E 5T

NEW WESTMINSTER BC

PATENT REEL: 044125 FRAME: 0045

RECORDED: 11/14/2017