502160551 12/12/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Andrew Dennis Watson Carswell	11/27/2012
Wayne Hai-Wei Huang	11/27/2012
Siddartha Kondoju	11/29/2012
Jin Lu	11/27/2012
Suresh Ramakrishnan	11/30/2012
Kozaburo Sakai	12/10/2012
Sony Varghese	11/28/2012
Andrey V. Zagrebelny	12/01/2012

RECEIVING PARTY DATA

Name:	Micron Technology, Inc.
Street Address:	8000 South Federal Way
Internal Address:	Mailstop 525
City:	Boise
State/Country:	IDAHO
Postal Code:	83707-0006

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13712635

CORRESPONDENCE DATA

Fax Number: 8015319168

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 801-532-1922
Email: djpfeil@traskbritt.com

Correspondent Name: TRASK BRITT, P.C./ MICRON TECHNOLOGY

Address Line 1: P.O. BOX 2550

Address Line 4: SALT LAKE CITY, UTAH 84110

PATENT

REEL: 029456 FRAME: 0266

CH \$40,00 137126

502160551

ATTORNEY DOCKET NUMBER:	11505US (2011-0374.00)	
NAME OF SUBMITTER:	Jesse M. Flores	
Total Attachments: 12		
source=Dec-12-2012-Assignment-11505US	#page1.tif	
source=Dec-12-2012-Assignment-11505US#page2.tif		
source=Dec-12-2012-Assignment-11505US#page3.tif		
source=Dec-12-2012-Assignment-11505US#page4.tif		
source=Dec-12-2012-Assignment-11505US#page5.tif		
source=Dec-12-2012-Assignment-11505US#page6.tif		
source=Dec-12-2012-Assignment-11505US#page7.tif		
source=Dec-12-2012-Assignment-11505US#page8.tif		
source=Dec-12-2012-Assignment-11505US#page9.tif		
source=Dec-12-2012-Assignment-11505US#page10.tif		
source=Dec-12-2012-Assignment-11505US#page11.tif		
source=Dec-12-2012-Assignment-11505US#page12.tif		

PATENT REEL: 029456 FRAME: 0267

Attorney Docket No. 2269-P11505US (2011-0374.00/US)

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. ("ASSIGNEE"), an individual residing at 8000 South Federal Way, Mailstop 525, Boise, ID 83707-0006, 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 each undersigned ASSIGNOR concurrently herewith entitled METHOD OF FORMING A PLANAR SURFACE FOR A SEMICONDUCTOR DEVICE STRUCTURE, AND RELATED METHODS OF FORMING A SEMICONDUCTOR DEVICE STRUCTURE, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined 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 made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

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

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

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

PATENT REEL: 029456 FRAME: 0268 AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:	
Andrew Dennis Watson Carswell Residing at: 8456 West Sundisk Street, Boise, ID 83714	Date 11/27/17
Wayne Haj-Wei Huang Residing at: 9905 West Countryman Drive, Boise, ID 83709	Date 11/27/2012
Siddartha Kondoju	Date
Residing at: 605 Jackson Street, Boise, ID 83705	The Control of the Co
Jin Lu Residing at: 5126 East Bandsaw Street, Boise, ID 83716	Date 1/127/2012
Suresh Ramakrishnan Residing at: 5601 South Caper Place, Boise, ID 83716	Date 11 30 2012
Kozaburo Sakai Residing at: 3255 East Red Stone Drive, Boise, ID 83712	Date $\frac{(2/10/20/2)}{}$
Sony Varghese Residing at: 3290 South Gekeler Lane, Apt L106, Boise, ID 837	Date $\frac{11/28/12}{06}$

	Date
Andrey V. Zagrebelny Residing at: 1696 Galway Lane, Eaga	an, MN 55122
COUNTY OF Ada)	
COUNTY OF Ada) : ss. STATE OF Idah)	
Hennig Watson Larswell to me kr	nown to be the person whose name is subscribed to the liged to me that he/she executed the same.
\$ COTAP E	alkurryalu
WAY OF THE CONTROL OF	Notary Public in and for said County and State
My Commission Expires:	
Marh 15, 2018	
COUNTY OF Ada) : ss. STATE OF Idaho)	
Wei Huang to Tree known to be the pe	erson whose name is subscribed to the foregoing instrument executed the same.
S OTAP E	Alboyse
My Commission Expires:	Notary Public in and for said County and State
March 15, 2018	
	3

COUNTY OF Ada)	
STATE OF FJako)	
	Newler, 2012, before me personally appeared Siddartha
Kondoiu to me known to be the per	son whose name is subscribed to the foregoing instrument,
and acknowledged to me that he/she	son whose name is subscribed to the foregoing instrument, executed the same.
C TAS E	100/
	(S. Starter Comments
O PURIO	Notary Public in and for said County and State
TAR OF IDALITA	Manager and Maria
My Commission Expires:	The second of th
March 18, 2018	
COUNTY OF Ada)	Q:\\\/8\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
STATE OF Flater)	The management and the second and th
	a / a
On this day of //ove	name is subscribed to the foregoing instrument, and
acknowledged to me that he/she execu	
	10 1
	(Sold American
	Notary Public in and for said County and State
	Notary Fublic III and for Said County and State
My Commission Expires:	
March 15, 2018	
	The state of the s
MARTE COM	
A COTAN EX	
4.5	
표 💌 🖀 🧗	

PATENT

REEL: 029456 FRAME: 0271

COUNTY OF Ada)
STATE OF Idaha)
On this day of November, 2012, before me personally appeared Suresl Ramakrishnan to me known to be the person whose name is subscribed to the foregoing instrument and the knowledged to me that he/she executed the same. Notary Public in and for said County and State My Confidence in the county and State My Confidence in the county and State in the county and Sta
COUNTY OF Ada) : ss. STATE OF Idaho) On this 10 day of Rembo, 2012, before me personally appeared Kozaburo Sakai to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.
Notary Public in and for said County and State
My Commission Expires:
Wach 16, 2018



	A 1			
COUNTY OF	#JV4)		
STATE OF I	Jah o)		
On this Varghese to me and acknowledge with the community of the community	ed to me that		Notary Public in and for sa	January Commission of the Comm
COUNTY OF				
COUNTION		; ss.		*** * ********************************
STATE OF)		
On this day of, 2012, before me personally appeared Andrey V. Zagrebelny to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.				
			Notary Public in and for sa	id County and State
My Commission	Expires:			
				and the second s



Attorney Docket No. 2269-P11505US (2011-0374.00/US)

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc. ("ASSIGNEE"), an individual residing at 8000 South Federal Way, Mailstop 525, Boise, ID 83707-0006, 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 each undersigned ASSIGNOR concurrently herewith entitled METHOD OF FORMING A PLANAR SURFACE FOR A SEMICONDUCTOR DEVICE STRUCTURE, AND RELATED METHODS OF FORMING A SEMICONDUCTOR DEVICE STRUCTURE, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined 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 made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

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

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

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

PATENT REEL: 029456 FRAME: 0274 **AGREE AND ACKNOWLEDGE** that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:	
	Date
Andrew Dennis Watson Carswell Residing at: 8456 West Sundisk Street, Boise, ID 83714	
	Date
Wayne Hai-Wei Huang Residing at: 9905 West Countryman Drive, Boise, ID 83709	
	Date
Siddartha Kondoju Residing at: 605 Jackson Street, Boise, ID 83705	
	Date
Jin Lu Residing at: 5126 East Bandsaw Street, Boise, ID 83716	
	Date
Suresh Ramakrishnan Residing at: 5601 South Caper Place, Boise, ID 83716	
	Date
Kozaburo Sakai Residing at: 3255 East Red Stone Drive, Boise, ID 83712	
	Date
Sony Varghese Residing at: 3290 South Gekeler Lane, Apt L106, Boise, ID 83	

2

Andrey V. Agrebelny Residing at: 1696 Galway Lane, Eagan, N	Date \2(01)12_	
COUNTY OF DAKOTA) STATE OF MINNESOTA) On this day of Dennis Watson Carswell to me known foregoing instrument, and acknowledged	. 2012, before me personally appeared Andrew to be the person whose name is subscribed to the to me that he/she executed the same.	
My Commission Expires:	Notary Public in and for said County and State	
COUNTY OF 5 STATE OF 5		
On this, day of, 2012, before me personally appeared Wayne Hai-Wei Huang to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.		
My Commission Expires:	Notary Public in and for said County and State	

COUNTY OF)	
	: ss.	
STATE OF)	
Kondoju to me kno	day ofown to be the person to me that he/she ex	, 2012, before me personally appeared Siddartha on whose name is subscribed to the foregoing instrument, secuted the same.
		Notary Public in and for said County and State
My Commission Ex	xpires:	
COLDITY OF		
COUNTY OF) : ss.	
STATE OF)	
known to be the	day of day of reperson whose reperson who reperson who reperson who reperson who reperson who reperson which reperson who reperson who reperson who reperson which reperson w	, 2012, before me personally appeared Jin Lu to me name is subscribed to the foregoing instrument, and ted the same.
		Notary Public in and for said County and State
My Commission Ex	xpires:	Trotally I dolle in and for said county and state

COUNTY OF)	
CTATE OF	: ss.	
STATE OF)	
Ramakrishnan to m	e known to be	, 2012, before me personally appeared Suresh the person whose name is subscribed to the foregoing hat he/she executed the same.
		Notary Public in and for said County and State
My Commission Exp	oires:	
COUNTY OF) : ss.	
STATE OF)	
On thisSakai to me known t acknowledged to me	to be the person v	, 2012, before me personally appeared Kozaburo whose name is subscribed to the foregoing instrument, and ted the same.
		Notary Public in and for said County and State
My Commission Exp	vires:	

COUNTY OF) 1 2 2 2			
STATE OF	; šš.)			
On this	day of wn to be the person o me that he/she exec	, 2012, be whose name is suruted the same.	fore me personally appeared bscribed to the foregoing instru	Sony ment,
		Notary Public	n and for said County and State)
My Commission Ex	pires:			
·				
Witness for Andrey	V. Zagrebelny:	5-g	e X	
Signature: #./	Stadnizehu	<u>L</u>	Date 12/1/12	(Ž
Printed Name: #e	lena Stac	hiychuk	M.C. 101	
Address :	Golway L	. V .n		
ह्व901	1			