PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	506428124

CONVEYING PARTY DATA

Name	Execution Date
YOSHIAKI FUKUZUMI	12/04/2020
JUN FUJIKI	12/07/2020
MATTHEW J. KING	11/17/2020
SIDHARTHA GUPTA	11/11/2020
PAOLO TESSARIOL	12/17/2020
KUNAL SHROTRI	12/03/2020
KYE HYUN BAEK	12/03/2020
KYLE A. RITTER	04/09/2021
SHUJI TANAKA	12/04/2020
UMBERTO MARIA MEOTTO	11/18/2020
RICHARD J. HILL	12/10/2020
MATTHEW HOLLAND	11/17/2020

RECEIVING PARTY DATA

Name:	MICRON TECHNOLOGY, INC.
Street Address:	8000 SOUTH FEDERAL WAY
Internal Address:	MAILSTOP 1-507
City:	BOISE
State/Country:	IDAHO
Postal Code:	83707-0006

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17127971

CORRESPONDENCE DATA

Fax Number: (801)531-9168

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.

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Email: djpfeil@traskbritt.com

PATENT REEL: 055942 FRAME: 0144

Correspondent Name: TRASK BRITT, P.C. Address Line 1: P.O. BOX 2550

Address Line 4: SALT LAKE CITY, UTAH 84110

ATTORNEY DOCKET NUMBER:	2269-15865(2020-0402.00)
NAME OF SUBMITTER:	DANIEL J. BEZDJIAN
SIGNATURE:	/Daniel J. Bezdjian/
DATE SIGNED:	04/13/2021

Total Attachments: 27

source=2021-04-13-Assignment-15865US#page1.tif source=2021-04-13-Assignment-15865US#page2.tif source=2021-04-13-Assignment-15865US#page3.tif source=2021-04-13-Assignment-15865US#page4.tif source=2021-04-13-Assignment-15865US#page5.tif source=2021-04-13-Assignment-15865US#page6.tif source=2021-04-13-Assignment-15865US#page7.tif source=2021-04-13-Assignment-15865US#page8.tif source=2021-04-13-Assignment-15865US#page9.tif source=2021-04-13-Assignment-15865US#page10.tif source=2021-04-13-Assignment-15865US#page11.tif source=2021-04-13-Assignment-15865US#page12.tif source=2021-04-13-Assignment-15865US#page13.tif source=2021-04-13-Assignment-15865US#page14.tif source=2021-04-13-Assignment-15865US#page15.tif source=2021-04-13-Assignment-15865US#page16.tif source=2021-04-13-Assignment-15865US#page17.tif source=2021-04-13-Assignment-15865US#page18.tif source=2021-04-13-Assignment-15865US#page19.tif source=2021-04-13-Assignment-15865US#page20.tif source=2021-04-13-Assignment-15865US#page21.tif source=2021-04-13-Assignment-15865US#page22.tif source=2021-04-13-Assignment-15865US#page23.tif source=2021-04-13-Assignment-15865US#page24.tif source=2021-04-13-Assignment-15865US#page25.tif source=2021-04-13-Assignment-15865US#page26.tif source=2021-04-13-Assignment-15865US#page27.tif

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"), a corporation of the State of Delaware, having a place of business at 8000 South Federal Way, Mailstop 1-507, 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 that are disclosed in the Application for United States Letters Patent that has been executed by each undersigned ASSIGNOR concurrently herewith, and titled MICROELECTRONIC DEVICES INCLUDING TIERED STACKS INCLUDING CONDUCTIVE STRUCTURES ISOLATED BY SLOT STRUCTURES, AND RELATED ELECTRONIC SYSTEMS AND METHODS, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof that 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 that 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;

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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 that 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;

ASSIGNOR(S):	
<u> </u>	Dec. 4, 2020
Mailing address: 5-15-22 Bessho Minami-ku, Yokohama, K	Kanagawa 2320064 Japan
Jan Jan Jan	Date: <u>Dec 7, 2020</u>
Jun Fujiki Mailing address: c/o Micron Memory Japan, G.K., 8th flo	oor, Shinagawa Season Terrace, 1-2-70,
Konan, Minato-ku, Tokyo 108-0075 Japan	
	Date:
Matthew J. King Mailing address: 6272 North Stafford Place, Boise, ID 8371	113
ON 1 O C	Date:
Sidhartha Gupta Mailing address: 2963 S Shadywood Way, Boise, ID 83716	6
	Date:
Paolo Tessariol Mailing address: Via C. Tolomeo 5, Arcore 20862 Italy	

	Date:	
Kunal Shrotri Mailing address: 1472 E Spinnaker Ct, Boise, ID 83706		
Kye Hyun Baek Mailing address: 7102 E Highland Valley RD, Boise, ID 8		
Kyle A. Ritter Mailing address: 6708 East Bend Ridge Street, Boise, ID 1	Date:	
Huji Fanaka Shuji Tanaka Mailing address: 8th floor, Shinagawa Season Terrace, 1-2 Japan		4 Dec. , 2020 Minato-ku, Tokyo 108-00
Imberto Maria Meotto Mailing address: Via alle Fontane 31/9, Rivoli 10098 Italy	Date:	
Richard J. Hill Mailing address: 636 N Morningside Way, Boise, ID 8371		
	Date:	

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INCLUDING TIERED STACKS INCLUDING CONDUCTIVE STRUCTURES
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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.

ASSIGNOR(S):

Yoshiaki Fukuzumi
Mailing address: 5-15-22 Bessho Minami-ku, Yokohama, Kanagawa 2320064 Japan

Date:

Jun Fujiki
Mailing address: c/o Micron Memory Japan, G.K., 8th floor, Shinagawa Season Terrace, 1-2-70, Konan, Minato-ku, Tokyo 108-0075 Japan

Date:

Matthew J. King
Mailing address: 6272 North Stafford Place, Boise, ID 83713

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER

2

Sidhartha Gupta

Paolo Tessariol

Mailing address: 2963 S Shadywood Way, Boise, ID 83716

Mailing address: Via C. Tolomeo 5, Arcore 20862 Italy

Date:

	Date:	
Kunal Shrotri Mailing address: 1472 E Spinnaker Ct, Boise, ID 83706		
Kye Hyun Bark	Date: _	12/3/2020
Kye Hyun Back Mailing address: 7102 E Highland Valley RD, Boise, ID	83716	
Kyle A. Ritter	Date:	
Mailing address: 6708 East Bend Ridge Street, Boise, ID	83716	
Shuji Tanaka Mailing address: 8th floor, Shinagawa Season Terrace, 1		, Minato-ku, Tokyo 108-0075
Japan		
	Date;	
Umberto Maria Meotto Mailing address: Via alle Fontane 31/9, Rivoli 10098 Ital		
Richard J. Hill Mailing address: 636 N Morningside Way, Boise, ID 837	Date:	
	Date:	
Matthew Holland Mailing address: 6215 East Grand Prairie Drive, Boise, Il	D 83716	

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ASSIGNOR(S):	
Yoshiaki Fukuzumi	
Mailing address: 5-15-22 Bessho Minami	-ku, Yokohama, Kanagawa 2320064 Japan
	Date:
lun Fujiki	
Konan, Minato-ku, Tokyo 108-0075 Japan	
	Date:
Matthew J. King	Date:
THE PROPERTY COMMENTS OF THE PROPERTY OF THE P	
Mailing address: 6272 North Stafford Plac	
Mailing address: 6272 North Stafford Plac	ce, Boise, ID 83713
Mailing address: 6272 North Stafford Plac	X
Mailing address: 6272 North Stafford Plac Si Malla Sidhartha Gupta	ce, Boise, ID 83713 Date: 11 Nov 2020
Mailing address: 6272 North Stafford Plac Si Malla Sidhartha Gupta	ce, Boise, ID 83713 Date: 11 Nov 2020
Mailing address: 6272 North Stafford Plac Si Malla Sidhartha Gupta	Date: <u>[] Nov 2020</u> , Boise, ID 83716
Matthew J. King Mailing address: 6272 North Stafford Plac Si La La Sidhartha Gupta Mailing address: 2963 S Shadywood Way	ce, Boise, ID 83713 Date: 11 Nov 2020

	Date:
Kunal Shrotri Mailing address: 1472 E Spinnaker Ct, Boise, ID 83706	
Kye Hyun Back Mailing address: 7102 E Highland Valley RD, Boise, ID 837	Date:
Kyle A. Ritter Mailing address: 6708 East Bend Ridge Street, Boise, ID 837	Date:
Shuji Tanaka Mailing address: 8th floor, Shinagawa Season Terrace, 1-2-7 Japan	Date:0, Konan, Minato-ku, Tokyo 108-0075
Umberto Maria Meotto Mailing address: Via alle Fontane 31/9, Rivoli 10098 Italy	Date:
Richard J. Hill Mailing address: 636 N Morningside Way, Boise, ID 83712	Date:
Matthew Holland Mailing address: 6215 East Grand Prairie Drive, Boise, ID 83	Date:

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Yoshiaki Fukuzumi Mailing address: 5-15-22 Bessho Minami-ku, Yokohan	a, Kanagawa 2320064 Japan
	Date:
Konan, Minato-ku, Tokyo 108-0075 Japan	
	mali:
	Date:
Mailing address: 6272 North Stafford Place, Boise, ID 8	
Matthew J. King Mailing address: 6272 North Stafford Place, Boise, ID 8 Sidhartha Gupta Mailing address: 2963 S Shadywood Way, Boise, ID 83	Date:
Mailing address: 6272 North Stafford Place, Boise, ID 8	Date:

	Date:	
Kunal Shrotri Mailing address: 1472 E Spinnaker Ct, Boise, ID \$3706		
Kye Hyun Back	Date:	-
Mailing address: 7102 E Highland Valley RD, Boise, ID 8	3716	
Kyle A. Ritter Mailing address: 6708 East Bend Ridge Street, Boise, ID 8	Date:	
	Table.	
Shuji Tanaka Mailing address: 8th floor, Shinagawa Season Terrace, 1-2 Japan	Date: -70, Kona	m, Minato-ku, Tokyo 108-0075
Jmberto Maria Meotto	Date:	
Mailing address: Via alle Fontane 31/9, Rivoli 10098 Italy		
Richard J. Hill Mailing address: 636 N Morningside Way, Boise, ID 83712	Date: 2	
Matthew Holland	Date:	
Mailing address: 6215 East Grand Prairie Drive, Boise, ID	8271K	

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Mailing address: 5-15-22 Bessho Minami-ku, Yokohama, k	Kanagawa 2320064 JAPAN
	Date:
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Matthew J. King Mailing address: 6272 North Stafford Place, Boise, ID 8371	Date:3
Sidhartha Gupta Mailing address: 2963 S Shadywood Way, Boise, ID 83716	Date:
manning address. 2000 o smady wood way, 2000, 10 00 10	Date:
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	Date: 12/3/2020
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	Date:
Yoshiaki Fukuzumi Mailing address: 5-15-22 Bessho Minami-ku, Yokohama, I	
Jun Fujiki	Date:
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Kye Hyun Back Mailing address: 7102 E Highland Valley RD, Boise, ID 82	Date:
Kyle A. Ritter Mailing address: 6708 East Bend Ridge Street, Boise, ID 8.	Date:
Shuji Tanaka Mailing address: 8th floor, Shinagawa Season Terrace, 1-2- Japan	Date:
Umberto Maria Meotto Mailing address: Via alle Fontane 31/9, Rivoli 10098 Italy	Date:
Richard J. Hill Mailing address: 636 N Morningside Way, Boise, ID 83712	Date:
Matthew Holland Mailing address: 6215 East Grand Prairie Drive, Boise, ID 8	Date: 11/11/2020

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ASSIGNOR(S):	
	Date:
Yoshiaki Fukuzumi Mailing address: 5-15-22 Bessho Minami-ku, Yokohama, I	
Jun Fujiki	Date:
Mailing address: c/o Micron Memory Japan, G.K., 8th floor Konan, Minato-ku, Tokyo 108-0075 Japan	, Shinagawa Season Terrace, 1-2-70,
Matthew J. King	Date:
Mailing address: 6272 North Stafford Place, Boise, ID 8371	
Sidhartha Gupta Mailing address: 2963 S Shadywood Way, Boise, ID 83716	Date:
Paolo Tessariol Mailing address: Via C. Tolomeo 5, Arcore 20862 Italy	Date:

	Date:
Kunal Shrotri Mailing address: 1472 E Spinnaker Ct, Boise, ID 83706	
Kye Hyun Back Mailing address: 7102 E Highland Valley RD, Boise, ID	Date:
Kyle A. Ritter Mailing address: 6708 East Bend Ridge Street, Boise, ID	Date: $4 q z $ 83716
Shuji Tanaka Mailing address: 8th floor, Shinagawa Season Terrace, 1- Japan	Date:
Imberto Maria Meotto Mailing address: Via alle Fontane 31/9, Rivoli 10098 Ital	Date:
ichard J. Hill failing address: 636 N Morningside Way, Boise, ID 83	Date:

Mailing address: 6215 East Grand Prairie Drive, Boise, ID 83716

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"), a corporation of the State of Delaware, having a place of business at 8000 South Federal Way, Mailstop 1-507, 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 that are disclosed in the Application for United States Letters Patent that has been executed by each undersigned ASSIGNOR concurrently herewith, and titled MICROELECTRONIC DEVICES INCLUDING TIERED STACKS INCLUDING CONDUCTIVE STRUCTURES ISOLATED BY SLOT STRUCTURES, AND RELATED ELECTRONIC SYSTEMS AND METHODS, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof that 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 that 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 that 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;

. Kanagawa 3336	1864 Jonan
, ixanagawa 2520	7004 Japan
Date:	
floor, Shinagawa	s Season Terrace, 1-2-70,
Date:	

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Date;	
	floor, Shinagawa

	Date:	***************************************
Kunal Shrotri Mailing address: 1472 E Spinnaker Ct, Boise, ID 83706		
Kye Hyun Baek Mailing address: 7102 E Highland Valley RD, Boise, ID 8	Date: 3716	
Cyle A. Ritter	Date:	
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ihuji Tanaka Asiling address: 8th floor, Shinagawa Season Terrace, 1-2 apan	Date: -70, Kon:	un, Minato-ku, Tokyo 108-0
apar:		
0.000 Maria Meotto	Date;	14/18/2020
ichard J. Hill failing address: 636 N Morningside Way, Boise, ID 8371	Date:	11/18/2020

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"), a corporation of the State of Delaware, having a place of business at 8000 South Federal Way, Mailstop 1-507, 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 that are disclosed in the Application for United States Letters Patent that has been executed by each undersigned ASSIGNOR concurrently herewith, and titled MICROELECTRONIC DEVICES

INCLUDING TIERED STACKS INCLUDING CONDUCTIVE STRUCTURES

ISOLATED BY SLOT STRUCTURES, AND RELATED ELECTRONIC SYSTEMS AND METHODS, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof that 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 that 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 that 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;

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.

ASSIGNOR(S):

Yoshiaki Fukuzumi
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Date:

Jun Fujiki
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Date:

Matthew J. King
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AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER

Paolo Tessariol

Sidhartha Gupta

Mailing address: Via C. Tolomeo 5, Arcore 20862 Italy

Mailing address: 2963 S Shadywood Way, Boise, ID 83716

Date:

Date:

	Date:
Kunal Shrotri Mailing address: 1472 E Spinnaker Ct, Boise, ID 83706	
Kye Hyun Baek	Date:
Mailing address: 7102 E Highland Valley RD, Boise, ID	63/10
Kyle A. Ritter	Date:
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	Date:
Shuji Tanaka Mailing address: 8th floor, Shinagawa Season Terrace, 1-2 Japan	2-70, Konan, Minato-ku, Tokyo 108-00
Jmberto Maria Meotto	Date:
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Ru HÚ	Date: 12/10/20
Richard J. Hill Mailing address: 636 N Morningside Way, Boise, ID 8371	12
Matthew Holland	Date: