

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7549590

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TYLER L. BETZ	09/08/2022
SUNDARARAJAN N. SANKARANARAYANAN	09/09/2022
ROBERTO IZZI	09/09/2022
MASSIMO ZUCCHINALI	09/08/2022
XIANGYU TANG	09/17/2022
RECEIVING PARTY DATA	
Name:	MICRON TECHNOLOGY, INC.
Street Address:	8000 SOUTH FEDERAL WAY
Internal Address:	MS 525
City:	BOISE
State/Country:	IDAHO
Postal Code:	83716
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17949333
CORRESPONDENCE DATA	
Fax Number:	(612)573-2005
<i>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.</i>	
Phone:	6125732000
Email:	USPTO.PATENTS@dbclaw.com
Correspondent Name:	DICKE BILLIG & CZAJA PLLC - MICRON
Address Line 1:	100 SOUTH FIFTH STREET
Address Line 2:	SUITE 2250
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	M3401.228.102
NAME OF SUBMITTER:	MARK A. PETERSON
SIGNATURE:	/Mark A. Peterson/
DATE SIGNED:	09/21/2022

Total Attachments: 7

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ASSIGNMENT

WHEREAS, we:

Tyler L. Betz, residing at 1525 E. Doberman Street, Meridian, Idaho 83642;
Sundararajan N. Sankaranarayanan, residing at 49010 Wedge Grass Terrace
Fremont, CA 94539; and
Xiangyu Tang, residing at 1355 Mauna Kea Lane, San Jose, CA, 95132

made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on August 30, 2022 and received U.S. Application Serial No. 63/402,186 and which is entitled MEMORY DEVICES INCLUDING IDLE TIME PREDICTION.

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 South Federal Way, MS 525, Boise, Idaho, 83716, (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 therefrom, 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 therefrom; 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 respective 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 me/us and that full right to convey the same as herein expressed is possessed by us.

Docket No.: M3401.228.101
Serial No.: Unknown
Title: MEMORY DEVICES INCLUDING IDLE TIME PREDICTION

Micron Docket: 2022141384-US
Filing Date: Herewith
Page 2 of 2

In witness whereof, executed by the undersigned on the date opposite the undersigned name.	
Full Name of Inventor:	Tyler Betz
<u>9/8/2022</u> Date	 Inventor's Signature
Full Name of Inventor:	Sundararajan N. Sankaranarayanan
Date	Inventor's Signature
Full Name of Inventor:	Xiangyu Tang
Date	Inventor's Signature

Docket No.: M3401.228.101
Serial No.: Unknown
Title: MEMORY DEVICES INCLUDING IDLE TIME PREDICTION


Micron Docket: 2022141384-US
Filing Date: Herewith
Page 2 of 2

In witness whereof, executed by the undersigned on the date opposite the undersigned name.	
Full Name of Inventor:	Tyler Betz
Date	Inventor's Signature
Full Name of Inventor: 9/9/2022	Sundararajan N. Sankaranarayanan <small>DocuSigned by: <i>Sundararajan Sankaranarayanan</i> D6DCFBB5F1394C6...</small>
Date	Inventor's Signature
Full Name of Inventor:	Xiangyu Tang
Date	Inventor's Signature

Docket No.: M3401.228.101
Serial No.: Unknown
Title: MEMORY DEVICES INCLUDING IDLE TIME PREDICTION

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Page 2 of 2

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

Full Name of Inventor:	Tyler Betz
Date	Inventor's Signature
Full Name of Inventor:	Sundararajan N. Sankaranarayanan
Date	Inventor's Signature
Full Name of Inventor:	Xiangyu Tang
9/17/2022	
Date	Inventor's Signature

ASSIGNMENT

WHEREAS, I/we

**Roberto Izzi residing at Via San Gennaro 35, Caserta, 81100 Italy; and
Massimo Zucchinalli residing at Via Chignola 3/B, Torre Boldone, BG 24020
Italy**

made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on August 30, 2022 and received U.S. Application Serial No. 63/402,186 and which is entitled MEMORY DEVICES INCLUDING IDLE TIME PREDICTION.

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 South Federal Way, MS 525, Boise, Idaho, 83716, (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 therefrom, 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 therefrom; 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 respective 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 me/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 9 day of SEPTEMBER 2022.




Roberto Izzi

WITNESS:

LUCA PORZIO

Printed Name



Signature

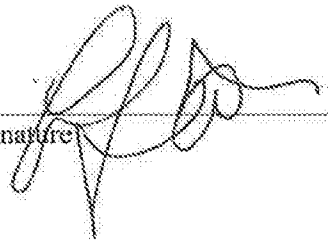
9/9/2022

(Date)

WITNESS:

GIOVANNI GALLO

Printed Name



Signature

9/9/2022

(Date)

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8th day of September, 2022

Massimo Zucchinali
Massimo Zucchinali

WITNESS:

ANDREA VIGILANTE
Printed Name

Andrea Vigilante
Signature

8 September 2022
(Date)

WITNESS:

CLAUDIO NAVA
Printed Name

Claudio Nava
Signature

8 September 2022
(Date)