507278514 05/11/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7325435

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KISHORE KUMAR MUCHHERLA	08/27/2019
GARY F BESINGA	08/14/2019
CORY M STEINMETZ	08/09/2019
PUSHPA SEETAMRAJU	08/19/2019
JIANGANG WU	08/07/2019
SAMPATH K RATNAM	10/08/2019
PETER FEELEY	08/07/2019

RECEIVING PARTY DATA

Name:	MICRON TECHNOLOGY, INC.
Street Address:	8000 SOUTH FEDERAL WAY
City:	BOISE
State/Country:	IDAHO
Postal Code:	83716-9632

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17715433

CORRESPONDENCE DATA

Fax Number: (650)433-5800

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: 6504335710

Email: henglish@lowenstein.com
Correspondent Name: LOWENSTEIN SANDLER LLP
Address Line 1: ONE LOWENSTEIN DRIVE

Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	34300.1604 (L0152C)
NAME OF SUBMITTER:	AMANDA SEWANAN
SIGNATURE:	/Amanda Sewanan/
DATE SIGNED:	05/11/2022

PATENT 507278514 REEL: 059894 FRAME: 0618

Total Attachments: 13 source=34300-1604 L0152C_Assignment#page1.tif source=34300-1604 L0152C_Assignment#page2.tif source=34300-1604 L0152C_Assignment#page3.tif source=34300-1604 L0152C_Assignment#page5.tif source=34300-1604 L0152C_Assignment#page5.tif source=34300-1604 L0152C_Assignment#page6.tif source=34300-1604 L0152C_Assignment#page7.tif source=34300-1604 L0152C_Assignment#page8.tif source=34300-1604 L0152C_Assignment#page9.tif source=34300-1604 L0152C_Assignment#page10.tif source=34300-1604 L0152C_Assignment#page11.tif source=34300-1604 L0152C_Assignment#page12.tif source=34300-1604 L0152C_Assignment#page12.tif source=34300-1604 L0152C_Assignment#page13.tif

4	SSIGNMENT OF PATENT APPLICATION Attorney Docket No.: 34300.152 (L0152)
	For good and valuable consideration, the receipt and sufficiency of which is hereby
	acknowledged, I/we, the undersigned, <u>Kishore Kumar Muchherla, Gary F. Besinga,</u>
	Cory M. Steinmetz, Pushpa Seetamraju, Jiangang Wu, Sampath K. Ratnam, Peter Feeley,
	hereby sell, assign, and transfer to <u>Micron Technology, Inc.</u>
	a <u>corporation</u> of <u>Delaware</u> , (Type of Assignee: e.g., corporation, company, partnership, university, etc.)
	(Type of Assignee: e.g., corporation, company, partnership, university, etc.)
	having a principal place of business at 8000 South Federal Way, Boise, Idaho 83716-9632,
	("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled
	SELECTIVE ACCELERATED SAMPLING OF FAILURE-SENSITIVE MEMORY PAGES
	said patent application also identified as follows (when known):
	[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]
	United States Patent Application Number 16/432,786 filed June 5, 2019 ,
	and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application and all rights to claim priority to said United States application;
	agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths,

assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or

representatives in securing and maintaining proper patent protection for said inventions or

legal representatives; and

improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or

improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and

08/24/2019	Killer Kumacm
Date	Kishore Kumar Muchherla
Date	Gary F. Besinga
Date	Cory M. Steinmetz
Date	Pushpa Seetamraju
Date	Jiangang Wu
Date	Sampath K. Ratnam
Date	Peter Feeley

A	SCICNMENT OF DATENT ADDITIONAL PROPERTY AND ARRANGED
<i>§</i>	SSIGNMENT OF PATENT APPLICATION Attorney Docket No.: 34300.152 (L0152)
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	Cory M. Steinmetz, Pushpa Seetamraju, Jiangang Wu, Sampath K. Ratnam, Peter Feeley
	hereby sell, assign, and transfer to <u>Micron Technology, Inc.</u>
	a corporation of Delaware ,
	(Type of Assignee: e.g., corporation, company, partnership, university, etc.)
	having a principal place of business at 8000 South Federal Way, Boise, Idaho 83716-9632,
	("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled
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	agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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

Each Inventor: Please Sign and Date Below:

Date	Kishore Kumar Muchherla
8/14/2019	10 m.
Dale	Gary F. Besinga∖
	<u> </u>
Date	Cory M. Steinmetz
Date	Pushpa Seetamraju
Date	Jiangang Wu
	nedermotes mi
Date	Sampath K. Ratnam
vaic	vanipam ir namam
Date	Peter Feeley

SIGNMENT OF PATENT AP	PLICATION Attorney Docket No.: 34300.152 (L0152)
	eration, the receipt and sufficiency of which is hereby
acknowledged, I/we, the undersigned,	, Kishore Kumar Muchherla, Gary F. Besinga,
Cory M. Steinmetz, Pushpa Seetamra	iju, Jiangang Wu, Sampath K, Ratnam, Peter Feeley
hereby sell, assign, and transfer to	Micron Technology, Inc.
a <u>corporation</u> (Type of Assignee: e.g., corporation, company	of <u>Delaware</u> , y, partnership, university, etc.)
having a principal place of business a	t <u>8000 South Federal Way, Boise, Idaho 83716-9632,</u>
for the United States and all foreign or are disclosed in the application (provis	gns, and legal representatives, the entire right, title, and interest puntries, in and to any and all inventions or improvements that sional or non-provisional) for the United States patent which may ndersigned prior hereto or concurrently herewith and is entitled
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said patent application also identified	as follows (when known):
	rney or agent for said Assignee to insert below the application patent application when known.]
United States Patent Application Num	iber <u>16/432,786</u> filed June 5, 2019 ,
provisional applications, utility applications applications, continued prosecution applications, renewal applications, relepatent applications that have been or of said inventions or improvements; alcertificates, and extensions, that have countries on said inventions or improvements.	onal or non-provisional) and all provisional applications, non- tions, design applications, divisional applications, continuation oplications, continuation-in-part applications, substitute ssue applications, reexaminations, extensions, and all other shall be filed in the United States and all foreign countries on any nd in and to all original patents, reissued patents, reexamination been or shall be issued in the United States and all foreign rements; and in and to all rights of priority resulting from the filing all rights to claim priority to said United States application;
improvements in its own name; and the said Assignee, its successors, assigns and purpose of this Assignment, the uprovisional applications, utility applications applications, continued prosecution applications, renewal applications, reing patent applications on any and all said assignments, powers of attorney, and assigns, and representatives all facts improvements and the history thereof, representatives in securing and maintaint improvements and for vesting title to se	apply for and receive a patent or patents for said inventions or nat, when requested, without charge to, but at the expense of, is, and legal representatives, to carry out in good faith the intent undersigned will execute all provisional applications, non-tions, design applications, divisional applications, continuation oplications, continuation-in-part applications, substitute inventions, reexaminations, extensions, and all other divinventions or improvements; execute all rightful oaths, other papers; communicate to said Assignee, its successors, known to the undersigned relating to said inventions or and generally assist said Assignee, its successors, assigns, or aning proper patent protection for said inventions or said inventions or improvements, and all applications for patents improvements, in said Assignee, its successors, assigns, and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. Each Inventor: Please Sign and Date Below: Kishore Kumar Muchherla Date Gary F. Besinga Date Cory M. Steinmetz Pushpa Seetamraju Date Jiangang Wu Date Date Sampath K. Ratnam Peter Feeley Date

Į.	SSIGNMENT OF PATENT APPLICATION Attorney Docket No.: 34300 152 (L0152)
	For good and valuable consideration, the receipt and sufficiency of which is hereby
	acknowledged, I/we, the undersigned, <u>Kishore Kumar Muchherla, Gary F. Besinga.</u>
	Cory M. Steinmetz, Pushpa Seetamraju, Jiangang Wu, Sampath K. Ratnam, Peter Feeley
	hereby sell, assign, and transfer to <u>Micron Technology, Inc.</u>
	a <u>corporation</u> of Delaware
	(Type of Assignee: e.g., corporation, company, partnership, university, etc.)
	having a principal place of business at 8000 South Federal Way, Boise, Idaho 83716-9632
	("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled
	SELECTIVE ACCELERATED SAMPLING OF FAILURE SENSITIVE MEMORY PAGES
	said patent application also identified as follows (when known):
	[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]
	United States Patent Application Number <u>16/432.788</u> filed <u>June 5, 2019</u> .
	and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on an of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application and all rights to claim priority to said United States application; agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent
	and purpose of this Assignment, the undersigned will execute all provisional applications, non- provisional applications, utility applications, design applications, divisional applications, continuation

improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements; execute all rightful caths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

	Kishore Kumar Muchherla
Date	Gary F. Besinga
Date	Cory M. Steinmetz
811912019	61W4
Date	Pushpa Seetamraju
Date	Jiangang Wu
Date	Sampath K. Ratnam
Date	Pater Feeley

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United States Patent Application Number 16/432.786 filed June 5, 2019 ,
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Each Inventor: Plea	ase <u>Sign and Date</u> Below:
Date	Kishore Kumar Muchherla
Date	Gary F. Besinga
Date	Cory M. Steinmetz
Date 08/07/2017	Pushpa Seetamraju Ji wywy W U
Date	Jiangang Wu
Date	Sampath K. Ratnam
Date	Peter Feeley

ASSIGNN	ENT OF PATENT APPLICATION Attorney Docket No.: 34300,152 (L0152)
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improver said Ass and purp provision application patent apsignment assigns, improver representimprover and all p	gree that said Assignee may apply for and receive a patent or patents for said inventions or nents in its own name; and that, when requested, without charge to, but at the expense of, gnee, its successors, assigns, and legal representatives, to carry out in good faith the intent ose of this Assignment, the undersigned will execute all provisional applications, non-large applications, utility applications, design applications, divisional applications, continuation ins, continued prosecution applications, continuation-in-part applications, substitute ins, renewal applications, reissue applications, reexaminations, extensions, and all other inplications on any and all said inventions or improvements; execute all rightful oaths, ents, powers of attorney, and other papers; communicate to said Assignee, its successors, and representatives all facts known to the undersigned relating to said inventions or nents and the history thereof; and generally assist said Assignee, its successors, assigns, or latives in securing and maintaining proper patent protection for said inventions or nents and for vesting title to said inventions or improvements, and all applications for patents atents on said inventions or improvements, in said Assignee, its successors, assigns, and resentatives; and

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	*
Date	Kishore Kumar Muchherla
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<u>A.47, 2019</u> Date	Peter Feeley