

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6954086

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GIUSEPPE D'ELISEO	12/10/2019
CARMINANTONIO MANGANELLI	12/10/2019
PAOLO PAPA	12/10/2019
YOAV WEINBERG	12/11/2019
GIUSEPPE FERRARI	12/10/2019
LALLA FATIMA DRISSI	12/10/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICRON TECHNOLOGY, INC.
<b>Street Address:</b>	8000 SOUTH FEDERAL WAY
<b>City:</b>	BOISE
<b>State/Country:</b>	IDAHO
<b>Postal Code:</b>	83707
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17494740
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	312-456-8400
<b>Email:</b>	gtipmail@gtlaw.com
<b>Correspondent Name:</b>	GREENBERG TRAURIG, LLP (SV)
<b>Address Line 1:</b>	77 WEST WACKER DRIVE, SUITE 3100
<b>Address Line 2:</b>	INTELLECTUAL PROPERTY DEPARTMENT
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60601
<b>ATTORNEY DOCKET NUMBER:</b>	120426-196002/US
<b>NAME OF SUBMITTER:</b>	WHITNEY ESCALANTI
<b>SIGNATURE:</b>	/Whitney Escalanti/
<b>DATE SIGNED:</b>	10/05/2021

**Total Attachments: 12**

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### PATENT ASSIGNMENT

TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, as the below named inventor of an invention entitled:

#### PIVOT APPROACH FOR RANDOM READ PERFORMANCES ON WIDE HOST ADDRESS RANGE

which is described in:

- the attached application, or  
 United States Patent Application Serial Number \_\_\_ filed on \_\_\_.

THE UNDERSIGNED does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 8000 South Federal Way, Boise, ID 83707, US (hereinafter referred to as ASSIGNEE), which is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries, 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 the undersigned concurrently herewith; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States of America;

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

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will 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 at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the ASSIGNEE all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the ASSIGNEE shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the ASSIGNEE;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the ASSIGNEE.

Legal Name of Inventor	Last Name	First Name	Middle Name
	D'Eliseo	Giuseppe	
Residence & Citizenship	City & State/Region	Country	Country of Citizenship
	Caserta	IT	IT
Mailing Address	Street	City & State/Region	Postal Code & Country
	Viale Delle Querce, 7	Caserta	81100, IT

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10<sup>th</sup> day of DECEMBER 2019.

Giuseppe D'Eliseo  
Giuseppe D'Eliseo

Date: 10 DECEMBER 2019

ACKNOWLEDGMENT

On this 10<sup>th</sup> day of DECEMBER, 2019, before me, the undersigned, personally appeared Giuseppe D'Eliseo, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that s/he executed the same.

IN WITNESS WHEREOF, I have set my hand the day and year as above written.

WITNESS 1: ALBERTO SASSARA  
Printed Name

Alberto Sassara  
Signature

WITNESS 2: LUIGI ESPOSITO  
Printed Name

Luigi Esposito  
Signature

**PATENT ASSIGNMENT**

TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, as the below named inventor of an invention entitled:

**PIVOT APPROACH FOR RANDOM READ PERFORMANCES ON WIDE HOST ADDRESS RANGE**

which is described in:

- the attached application, or  
 United States Patent Application Serial Number \_\_\_ filed on \_\_\_

THE UNDERSIGNED does hereby:

SELL, ASSIGN AND TRANSFER to Migron Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 8009 South Federal Way, Boise, ID 83707, US (hereinafter referred to as ASSIGNEE), which is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries, 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 the undersigned concurrently herewith; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States of America;

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

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will 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 at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the ASSIGNEE all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the ASSIGNEE shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the ASSIGNEE;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the ASSIGNEE.

Legal Name of Inventor	Last Name	First Name	Middle Name
	Manganelli	Carminantonio	
Residence & Citizenship	City & State/Region	Country	Country of Citizenship
	SAN GIORGIO DEL SANNIO (Benevento)	IT	IT
Mailing Address	Street	City & State/Region	Postal Code & Country
	VIA MICHELE BOCCHINI	SAN GIORGIO DEL SANNIO (Benevento)	82018, IT

IN TESTIMONY WHEREOF, I have hereunto set my hand this 20<sup>th</sup> day of December 2019.

*Carminantonio Manganelli*  
Carminantonio Manganelli

Date: 20 DEC 2019

ACKNOWLEDGMENT

On this 20<sup>th</sup> day of DECEMBER, 2019, before me, the undersigned, personally appeared Carminantonio Manganelli, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that s/he executed the same.

IN WITNESS WHEREOF, I have set my hand the day and year as above written.

WITNESS 1: ALBERTO SASSARA  
Printed Name

*Alberto Sassara*  
Signature

WITNESS 2: LUIGI ESPOSITO  
Printed Name

*Luigi Esposito*  
Signature

**PATENT ASSIGNMENT**

TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, as the below named inventor of an invention entitled:

**PIVOT APPROACH FOR RANDOM READ PERFORMANCES ON WIDE HOST ADDRESS RANGE**

which is described in:

- the attached application, or  
 United States Patent Application Serial Number \_\_\_ filed on \_\_\_

THE UNDERSIGNED does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 3000 South Federal Way, Boise, ID 83707, US (hereinafter referred to as ASSIGNEE), which is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries, 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 the undersigned concurrently herewith; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States of America;

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


WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will 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 at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the ASSIGNEE all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the ASSIGNEE shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the ASSIGNEE;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the ASSIGNEE.

Legal Name of Inventor	Last Name	First Name	Middle Name
	Papa	Paolo	
Residence & Citizenship	City & State/Region	Country	Country of Citizenship
	Napoli	IT	IT
Mailing Address	Street	City & State/Region	Postal Code & Country
	Corso Arnaldo Lucci, 116	Napoli	80142, IT

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10<sup>th</sup> day of DECEMBER 2019.

  
Paolo Papa

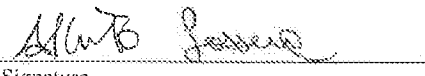
Date: 10 DECEMBER 2019

ACKNOWLEDGMENT

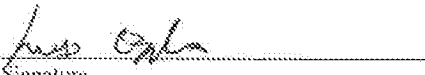
On this 10<sup>th</sup> day of DECEMBER, 2019, before me, the undersigned, personally appeared Paolo Papa, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that s/he executed the same.

IN WITNESS WHEREOF, I have set my hand the day and year as above written.

WITNESS 1: ALBERTO SASSARA  
Printed Name

  
Signature

WITNESS 2: LUIGI ESPOSITO  
Printed Name

  
Signature



## PATENT ASSIGNMENT

TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, as the below named inventor of an invention entitled:

### PIVOT APPROACH FOR RANDOM READ PERFORMANCES ON WIDE HOST ADDRESS RANGE

which is described in:

- the attached application, or  
 United States Patent Application Serial Number \_ filed on \_.

THE UNDERSIGNED does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 8000 South Federal Way, Boise, ID 83707, US (hereinafter referred to as ASSIGNEE), which is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries, 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 the undersigned concurrently herewith; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States of America;

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

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will 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 at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the ASSIGNEE all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the ASSIGNEE shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the ASSIGNEE;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the ASSIGNEE.

<b>Legal Name of Inventor</b>	<b>Last Name</b> Weinberg	<b>First Name</b> Yoav	<b>Middle Name</b>
<b>Residence &amp; Citizenship</b>	<b>City &amp; State/Region</b> Thornhill ON	<b>Country</b> CA	<b>Country of Citizenship</b> CA
<b>Mailing Address</b>	<b>Street</b> 35 Katerina Ave	<b>City &amp; State/Region</b> Thornhill ON	<b>Postal Code &amp; Country</b> L4J 8H5, CA

IN TESTIMONY WHEREOF, I have hereunto set my hand this 11 day of DECEMBER, 2019.

Yany Weinberg Date: 2019/12/11

ACKNOWLEDGMENT

On this 11 day of DECEMBER, 2019, before me, the undersigned, personally appeared Yany Weinberg, known to me to be the person whose name is subscribed in the foregoing instrument, and acknowledged to me that s/he executed the same.

IN WITNESS WHEREOF, I have set my hand this day and year as above written.

WITNESS 1: \_\_\_\_\_  
Printed Name Signature

WITNESS 2: \_\_\_\_\_  
Printed Name Signature

**PATENT ASSIGNMENT**

TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, as the below named inventor of an invention entitled:

**PIVOT APPROACH FOR RANDOM READ PERFORMANCES ON WIDE HOST  
ADDRESS RANGE**

which is described in:

- the attached application, or  
 United States Patent Application Serial Number \_\_\_ filed on \_\_\_

THE UNDERSIGNED does hereby:

SELL, ASSIGN AND TRANSFER to Miran Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 8000 South Federal Way, Boise, ID 83707, US (hereinafter referred to as ASSIGNEE), which is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries, 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 the undersigned concurrently herewith; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States of America;

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the ASSIGNEE.

Legal Name of Inventor	Last Name	First Name	Middle Name
	Ferrari	Giuseppe	
Residence & Citizenship	City & State/Region	Country	Country of Citizenship
	Napoli	IT	IT
Mailing Address	Street	City & State/Region	Postal Code & Country
	Via Mario Pomilio 9 Parco Vesuvio A/F	Napoli	80147, IT

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15<sup>th</sup> day of DECEMBER, 2019.

Giuseppe Ferrari  
Giuseppe Ferrari

Date: 12 DECEMBER 2019

ACKNOWLEDGMENT

On this 10<sup>th</sup> day of DECEMBER, 2019, before me, the undersigned, personally appeared Giuseppe Ferrari, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that s/he executed the same.

IN WITNESS WHEREOF, I have set my hand the day and year as above written,

WITNESS 1: GIUSEPPE SALSONO Giuseppe Salson  
Printed Name Signature

WITNESS 2: DABIO BARBIERI Dario Barbieri  
Printed Name Signature

**PATENT ASSIGNMENT**

TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, as the below named inventor of an invention entitled:

**PIVOT APPROACH FOR RANDOM READ PERFORMANCES ON WIDE HOST ADDRESS RANGE**

which is described in:

- the attached application, or  
 United States Patent Application Serial Number \_\_ filed on \_\_

THE UNDERSIGNED does hereby:

SELL, ASSIGN AND TRANSFER to Micron Technology, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 8000 South Federal Way, Boise, ID 83707, US (hereinafter referred to as ASSIGNEE), which is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries, 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 the undersigned concurrently herewith; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States of America;

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the ASSIGNEE.

<b>Legal Name of Inventor</b>	<b>Last Name</b> Drissi	<b>First Name</b> Lalia	<b>Middle Name</b> Fatima
<b>Residence &amp; Citizenship</b>	<b>City &amp; State/Region</b> Ottaviano(NA)	<b>Country</b> IT	<b>Country of Citizenship</b> IT
<b>Mailing Address</b>	<b>Street</b> via Maggiore Buscaglia, 6	<b>City &amp; State/Region</b> Ottaviano(NA)	<b>Postal Code &amp; Country</b> 80044, IT

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10<sup>th</sup> day of DECEMBER 2019.

Lalla Fatima Drissi  
Lalla Fatima Drissi

Date: 10 DECEMBER 2019

ACKNOWLEDGMENT

On this 10<sup>th</sup> day of DECEMBER, 2019, before me, the undersigned, personally appeared Lalla Fatima Drissi, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that s/he executed the same.

IN WITNESS WHEREOF, I have set my hand the day and year as above written.

WITNESS 1: ALBERTO SASARA Printed Name [Signature] Signature

WITNESS 2: Luigi ESPESITO Printed Name [Signature] Signature