

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3046065

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SIVAGNANAM PARTHASARATHY	09/30/2014
NICHOLAS JULIAN RICHARDSON	09/30/2014
PATRICK ROBERT KHAYAT	09/30/2014
MUSTAFA NAZMI KAYNAK	09/30/2014
KA LEUNG LING	09/27/2014
ROBERT B. EISENHUTH	09/30/2014
RECEIVING PARTY DATA	
Name:	Micron Technology, Inc.
Street Address:	8000 S. Federal Way
City:	Boise
State/Country:	IDAHO
Postal Code:	83707-0006
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14502513
CORRESPONDENCE DATA	
Fax Number:	(281)970-4503
<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:	281-970-4545
Email:	thomas@fyiplaw.com
Correspondent Name:	JIM THOMAS
Address Line 1:	PO BOX 692289
Address Line 4:	HOUSTON, TEXAS 77269-2289
NAME OF SUBMITTER:	JIM THOMAS
SIGNATURE:	/Jim Thomas/
DATE SIGNED:	09/30/2014
Total Attachments: 11	
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source=2014-0299-00US_MICS0359_Assignment#page11.tif

A S S I G N M E N T

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

SELL, ASSIGN AND TRANSFER to **Micron Technology, Inc.** (the "Assignee"), a corporation of the State of Delaware, having a place of business at **8000 S. Federal Way, Boise, Idaho 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 is entitled "**PROGRESSIVE EFFORT DECODER ARCHITECTURE**," and which may be further identified below; 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;

AUTHORIZE AND REQUEST that any attorney associated with PTO Customer No. **52142** may insert additional information identifying this application below after execution of this assignment;

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, 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 (1) execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

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

Additional Application Information

U.S. Provisional Application Serial No. _____, filed on _____.

U.S. Non-Provisional Application Serial No. 14/502,513, filed on September 30, 2014

International Application Serial No. _____, filed on _____.

(Signature): *Bandy*
Name: **Sivagnanam Parthasarathy**

Date: 09/30/2014

STATE OF _____ §

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this _____ day of _____, 2014, personally appeared **Sivagnanam Parthasarathy** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to in the attached instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument of his/her/their own free will for the purposes and consideration therein expressed.

[SEAL]

Notary or Consular Officer

ACKNOWLEDGMENT

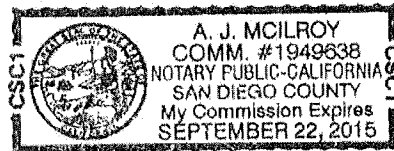
State of California
County of San Diego

On Sept. 30, 2014 before me, A. J. McIlroy, Notary Public, personally
appeared Sivagnanam Rav Thazavath

who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



[Signature]
Signature

(seal)

OPTIONAL INFORMATION

Date of Document Sept. 30, 2014

Type or Title of Document assignment

Number of Pages in Document one of 4 of four ch
acks

(Signature): Nicholas Julian Richardson
Name: **Nicholas Julian Richardson**

Date: September 30 2014

STATE OF _____	///
COUNTY OF _____	///
BEFORE ME, the undersigned authority, on this _____ day of _____, 2014, personally appeared Nicholas Julian Richardson who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to in the attached instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument of his/her/their own free will for the purposes and consideration therein expressed.	
[SEAL]	_____ Notary or Consular Officer

ACKNOWLEDGMENT

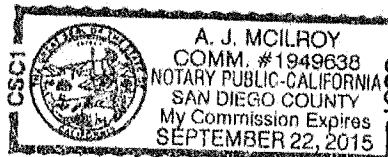
State of California
County of San Diego

On Sept. 30, 2014 before me, A. J. McIlroy, Notary Public, personally
appeared Nicholas Julian Richardson

who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is ~~are~~ subscribed to the within instrument and acknowledged to me that
he ~~she/they~~ executed the same in his ~~her/their~~ authorized capacity(ies), and that by
his/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



[Signature]
Signature

(seal)

OPTIONAL INFORMATION

Date of Document

Sept. 30, 2014

Type or Title of Document

Assignment

Number of Pages in Document

One + #2 of four Ce Jurets
acknowledgment

PATENT

REEL: 033855 FRAME: 0859

(Signature):  Date: 9/30/14
Name: Patrick Robert Khayat

STATE OF _____	§
COUNTY OF _____	§
BEFORE ME, the undersigned authority, on this _____ day of _____, 2014, personally appeared Patrick Robert Khayat who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to in the attached instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument of his/her/their own free will for the purposes and consideration therein expressed.	
[SEAL]	_____ Notary or Consular Officer

[Handwritten signature of Notary/Officer is written diagonally across the form box]

ACKNOWLEDGMENT

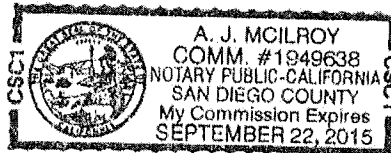
State of California
County of San Diego

On Sept. 30, 2014 before me, A. J. McIlroy, Notary Public, personally
appeared Patrick Robert Khayat

who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



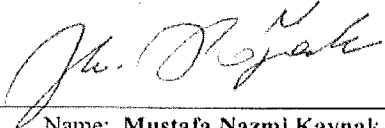
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Signature

OPTIONAL INFORMATION

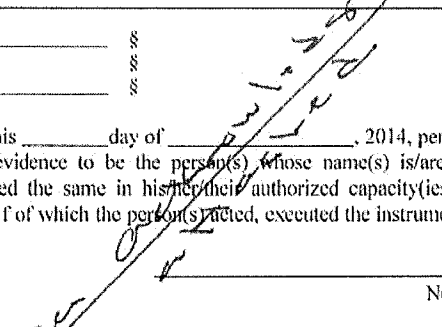
Date of Document Sept. 30, 2014

Type or Title of Document Assignment

Number of Pages in Document One + #3 of San Diego Act

(Signature): 
Name: Mustafa Nazmi Kaynak

Date: 09/30/2014

STATE OF _____	§
COUNTY OF _____	§
BEFORE ME, the undersigned authority, on this _____ day of _____, 2014, personally appeared Mustafa Nazmi Kaynak who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to in the attached instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument of his/her/their own free will for the purposes and consideration therein expressed.	
[SEAL]	<u></u> Notary or Consular Officer

ACKNOWLEDGMENT

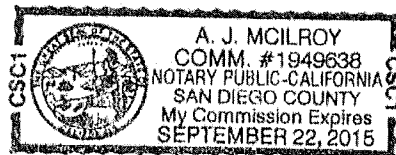
State of California
County of San Diego

On Sept. 30, 2014 before me, A. J. McIlroy, Notary Public, personally
appeared Mustafa Nazmi Kayrak

who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) (is) subscribed to the within instrument and acknowledged to me that
(he)/she/they executed the same in his/her/their authorized capacity(ies), and that by
(his)/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



[Signature]
Signature

(seal)

OPTIONAL INFORMATION

Date of Document

Sept. 30, 2014

Type or Title of Document

Assignment

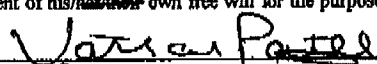
Number of Pages in Document

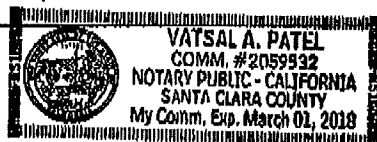
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PATENT

REEL: 033855 FRAME: 0863

PATENT
2014-0299.00/US (MICS:0359)(Signature): 
Name: Ka Leung LingDate: 9/27/2014

STATE OF <u>CALIFORNIA</u>	6
COUNTY OF <u>SANTA CLARA</u>	6
BEFORE ME, the undersigned authority, on this <u>27th</u> day of <u>SEP</u> , 2014, personally appeared <u>Ka Leung Ling</u> who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to in the attached instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies); and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument of his/her/their own free will for the purposes and consideration therein expressed.	
[SEAL]	<u></u> Notary or Consular Officer



(Signature): Robert B. Eisenhuth
Name: Robert B. Eisenhuth

Date: 9/30/14

STATE OF COLORADO §
COUNTY OF BOULDER §

BEFORE ME, the undersigned authority, on this 30 day of SEPTEMBER, 2014, personally appeared **Robert B. Eisenhuth** who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to in the attached instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity on behalf of which the person(s) acted, executed the instrument of his/her/their own free will for the purposes and consideration therein expressed.

[Signature]

Notary or Consular Officer

[SEAL] DONNA L. CLARK
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20134005519
MY COMMISSION EXPIRES JANUARY 31, 2017