503186205 02/19/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3232822

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SIVAGNANAM PARTHASARATHY	04/02/2012	
PATRICK R. KHAYAT	04/02/2012	
MUSTAFA N. KAYNAK	04/02/2012	
ZHENLEI SHEN	03/30/2012	

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:	14626208

CORRESPONDENCE DATA

Fax Number: (612)659-9344

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: 612-659-9340 Email: sherar@bipl.net

Correspondent Name: BROOKS, CAMERON & HUEBSCH, PLLC

1201 MARQUETTE AVENUE SOUTH, SUITE 400 Address Line 1:

Address Line 4: MINNEAPOLIS, MINNESOTA 55403

ATTORNEY DOCKET NUMBER: 1002.1110008[11-064602US]			
NAME OF SUBMITTER:	JACOB T. KERN		
SIGNATURE:	/Jacob T. Kern/		
DATE SIGNED:	02/19/2015		

Total Attachments: 5

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> **PATENT REEL: 034985 FRAME: 0670**

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> PATENT REEL: 034985 FRAME: 0671

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Docket No. 1002,1110001

Sivagnanam Parthasarathy et al.

Disclosure No. 2011-0646.00/US

Filed: Concurrently Herewith

For: MAPPING BETWEEN PROGRAM STATES AND DATA PATTERNS

ASSIGNMENT

	Enclosed for recording
	Previously, recorded
Date:	· · · · · · · · · · · · · · · · · · ·
Reel:	

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 Delaware, having a place of business at 8000 South Federal Way, Boise, Idaho 83716-9632, 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 and is entitled "MAPPING BETWEEN PROGRAM STATES AND DATA PATTERNS"; 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 and an all United States and foreign patents granted on such improvements to the Assignee;

Rev. 01/12

PATENT REEL: 034985 FRAME: 0672 ASSIGNMENT Attorney Docket No.: 1002.1110001[2011-0646.00/US] Serial No.: Not Yet Assigned Fifing Oute: Concurrently Herewith

WARRANT AND CONVENANT that no assignment, grant mortgage, license, or other agreement affecting the right and property herein conveyed has been or will be made to others by the undersigned, and that 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 improvement 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.

Sivagnanam Parthasarathy	· Ľ	Date: At	il 2,	2012.		
STATE OF CALIFORNIA						
COUNTY OF SW OIRS						
On April 2, 2012	before me,	ANGES	1.000	antonio . of the officer)	OUTOPS	puse K
•	(1	insert name	and title	of the officer)		
personally appeared, SIVAGNANA	M PART	HA SAPA	144			
who proved to me on the basis of satisfi subscribed to the within instrument and						
in his/her/their authorized capacity(ies)						
the person(s), or the entity upon behalf						

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





Page 3 of 5

ASSIGNMENT

Attorney Docket No.: 1002.1110001(2011-0646.00/US)

Serial No.: Not Yet Assigned Filing Date: Concurrently Herewith

STATE OF CALIFORNIA

COUNTY OF SAN ONECO

On April 2. 2012

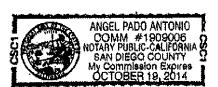
before me, ANCE PARS ANTONIO, NOTARY PUBLIC (insert name and title of the officer)

personally appeared, PATRICK R. EHAYAT

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 signature(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



ASSIGNMENT

Attorney Docket No.: 1002.1110001[2011-0646.00/US]

Serial No.: Not Yet Assigned Filing Date: Concurrently Herewith Page 4 of 5

Topele

Date: ____04/02/2012

Mustafa N. Kaynak

STATE OF CALIFORNIA

COUNTY OF SAN OFEE

On April 2. 2012

before me, ANGEY PADO

(insert name and title of the officer)

personally appeared, MUSTOFA N. KAYWAK

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 signature(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

FRON

ANGEL PADD ANTONIO My Commission Expires OCTOBER 19, 2014

Rev. 01/12

ASSIGNMENT

Attorney Docket No.: 1002.1110001[2011-0646.00/US]

Serial No.: Not Yet Assigned Filing Date: Concurrently Herewith

Date: 06/30/2012

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COUNTY OF

BEFORE ME, this 30 day of March, 2012 personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purpose therein expressed.

Rev. 01/12

RECORDED: 02/19/2015