PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4096311

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARISH N. VENKATA	10/12/2016
DANIEL B. PENNEY	10/12/2016

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:	15292941

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

Address Line 1: 1201 MARQUETTE AVENUE SOUTH, SUITE 400

Address Line 4: MINNEAPOLIS, MINNESOTA 55403

ATTORNEY DOCKET NUMBER:	1002.2480001[16-005600US]	
NAME OF SUBMITTER:	AME OF SUBMITTER: JACOB T. KERN	
SIGNATURE:	/Jacob T. Kern/	
DATE SIGNED:	10/13/2016	

Total Attachments: 3

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PATENT 504049649 REEL: 040009 FRAME: 0446

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Harish N. Venkata, et al. Docket No. 1002.2480001

Disclosure No. 2016-0056.00/US

Filed: Concurrently Herewith

For: APPARATUSES AND METHODS TO PERFORM LOGICAL OPERATIONS

USING SENSING CIRCUITRY

ASSIGNMENT

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 "APPARATUSES AND METHODS TO PERFORM LOGICAL OPERATIONS USING SENSING CIRCUITRY"; 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;

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Attorney Docket No.: 1002;2480001 [2016-0056:00/US]

Serial No.: Not Yet Assigned Filing Date: 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of October, 2016.

GVN/12/2016
Harish N. Venkata
STATE OF Texas
COUNTY OF Collin ss.
BEFORE ME, this 12 day of October, 2016 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.
minimum / Matifax
SE Almistic Paris My Commission Expires June 21, 2017 Notary or Consular Officer My Commission Expires Table 21, 20/

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ASSIGNMENT

Attorney Docket No.: 1002,2480001 [2016-0056,00/US]

Serial No.: Not Yet Assigned Filling Date: 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 12th day of 000000, 2016.

Da Line	Date: 10/12/2916
Daniel B. Penney	
state of <u>TX</u>	
COUNTY OF COLLIN) ss.	

BEFORE ME, this \(\frac{12^{10}}{20}\) day of \(\text{OCTO BER}, 2016\) 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.

CHRISTIE PARIS
My Commission Expires
June 21, 2017

Notary or Consular Officer Tune 21, 2017
My Commission Expires Tune 21, 2017

Rev. 01/12

RECORDED: 10/13/2016