## 501830679 02/23/2012

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
David R. Brown	02/20/2012
Harold B Noyes	02/14/2012
Irene Junjuan Xu	02/14/2012
Paul Glendenning	02/14/2012

#### **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:	13327623

### **CORRESPONDENCE DATA**

**Fax Number**: (281)970-4503 **Phone**: 281-970-4545

Email: manware@fyiplaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Robert A. Manware
Address Line 1: PO Box 692289

Address Line 4: Houston, TEXAS 77269-2289

ATTORNEY DOCKET NUMBER: MICS:0339

NAME OF SUBMITTER: robert a. manware

Total Attachments: 5

PATENT REEL: 027754 FRAME: 0190 **JP** \$40.00 13327623

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PATENT REEL: 027754 FRAME: 0191

# **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 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 "METHODS AND SYSTEMS FOR ROUTING IN A STATE MACHINE." 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 (I) 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.

U.S. Provisional Application Serial No	fled on
U.S. Non-Provisional Application Serial No. <u>13/327.623</u>	filed on <u>December 15, 2011</u> .
nternational Application Serial No.	, filed on

STATE OF TOKAS COUNTY OF COllin	, §
he/she/they executed the same in his/her/their authorized c	day of Feb. 20/3 personally appeared Inventor who proved to me on the name(s) is/are subscribed to in the attached instrument and acknowledged to me that appacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the he instrument of his/her/their own free will for the purposes and consideration therein Notary or Consular Officer
(Signature):Name: Harold B Noyes	Date:
STATE OF	§
BEFORE ME, the undersigned authority, on thisd basis of satisfactory evidence to be the person(s) whose be/she/they executed the same in his/her/their authorized o	iay of, 20, personally appeared Inventor who proved to me on the name(s) is/are subscribed to in the attached instrument and acknowledged to me that appacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the he instrument of his/her/their own free will for the purposes and consideration therein
[SEAL]	Notary or Consular Officer
(Signature):Name: Irene Junjuan Xu	Date:
STATE OF CALIFORNIA §	
COUNTY OF	appeared Inventor, who proved to me on the basis of satisfactory evidence the within instrument and acknowledged to me that he/she/they executed the same in their signature(s) on the instrument the person(s), or the entity on behalf of which the
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,	
Notaty or Consular Officer	[SEAL]
(Signature): Name: Paul Glendenning	Date;
Name: Paul Glendenning	

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(Signature):Name: Irene Junjuan Xu		Date:
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I certify under PENALTY OF PERJURY under the laws of	f the State of	California that the foregoing paragraph is true and correct.
Witness my hand and official seal.		
Notary or Consular Officer		[SEAL]
Cionatural		Date:

Page 2 of 3

Name: Paul Glendenning

PATENT REEL: 027754 FRAME: 0194

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(Signature): Name: Harold B Noyes	Wakaaaa waadaa waadaa waadaa ka waa	Date:	
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M.	4	7	
BEFORE ME, the undersigned authority, on this 1425	tay of Ed	braarq 2012 personally appeared inventor who proved to	
me on the basis of satisfactory evidence to be the person  me that he/she/they executed the same in his/her/their	(5) Whose name(; anthorized capa	s) is/are subscribed to in the attached instrument and acknowledged to city(ies), and that by his/hor/pheir signature(s) on the instrument the	
person(s), or the entity on behalf of which the person(s)	s) acted, execute	d the instrument of his/her/their own free will for the purposes and	
consideration therein expressed	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	moderate by A. C.	
PATT	I M. HAIR	Negaty or Consular Officer	
SE ESCHOLING AND MICHAEL	n No. 2951938	8	
SANTA	CLARA COUNTY	94 :-	
My Comm. Expl	(00 October 9, 2011		
		Date: 2/14/2012	
(Signature): Name: Irene Junjuan Xu	***************************************	1988: 200 [ 17] 600 ] 400	
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STATE OF CALIFORNIA §			
COUNTY OF Santa Clares			
On Fuel 14, 2012 before me. PHH 111 HAIR appeared Inventor, 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			
	y his/her/their si	ignature(s) on the instrument the person(s), or the entity on behalf of	
which the person(s) acted, executed the instrument.			
I certify under PENALTY OF PERILINY under the laws	of the State of Cr	difornia that the foregoing paragraph is true and correct.	
Witness my hand and official sessi		PATTI M. HAIR	
Da M		5 Parcin Commission No. 1951938	
	***************************************	MOTARY PUBLIC CALIFORNIA	
Nestry of Consular Officer		SANTA CLARA DERMEY My Comm. Expres OCTOBER 8, 2018	
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PATENT 2011-0755.00 (MICS:0339)

(Signature): Name: Paul/Gleindenning	DMC: 2/14/2012
STATE OF CALIFORNIA  S  COUNTY OF   Defore me,  evidence to be the person(s) whose name(s) is/are subscribed to the within instrument a same in his/her/their authorized capacity(les), and that by his/her/their signature(s) on a which the person(s) acted, executed the instrument.  I certify under PENALTY OF PERJURY under the laws of the State of California that the Witness my band and official seat.	the instrument the person(s), or the entity on behalf of
Notary or Consular Officer	(SEAL)