

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5989366

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MASARU MOROHASHI	01/18/2018
HIDEKAZU NOGUCHI	01/18/2018
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:	16805197
CORRESPONDENCE DATA	
Fax Number:	(206)903-8820
<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:	206-903-8800
Email:	ip.docket.se@dorsey.com
Correspondent Name:	DORSEY & WHITNEY LLP-IP DEPT.-MTI
Address Line 1:	COLUMBIA CENTER
Address Line 2:	701 5TH AVENUE, SUITE 6100
Address Line 4:	SEATTLE, WASHINGTON 98104-7043
ATTORNEY DOCKET NUMBER:	P266612.US.02
NAME OF SUBMITTER:	JEAN WANG
SIGNATURE:	/Jean Wang/
DATE SIGNED:	02/28/2020
Total Attachments: 3	
source=20180118_SignedAssignment_P266612US01 (copy) 4826-3857-8612 v.2#page1.tif	
source=20180118_SignedAssignment_P266612US01 (copy) 4826-3857-8612 v.2#page2.tif	
source=20180118_SignedAssignment_P266612US01 (copy) 4826-3857-8612 v.2#page3.tif	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Masaru Morohashi and Hidekazu
Noguchi

Filed : Concurrently herewith

For : APPARATUSES AND METHODS
FOR CALCULATING ROW
HAMMER REFRESH ADDRESSES IN
A SEMICONDUCTOR DEVICE

Docket No. P266612.US.01

Disclosure No. 2017-0287.00/US

A S S I G N M E N T :

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 "**APPARATUSES AND METHODS FOR CALCULATING ROW HAMMER REFRESH ADDRESSES IN A SEMICONDUCTOR DEVICE**"; 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.

Signature: Masaru Morohashi

Date: 2018/Jan./18th

Assignor Name: Masaru Morohashi

Witness # 1:	
Signature: <u>Masayoshi Yamazaki</u>	Date: <u>1/18/2018</u>
Witness Name: <u>Masayoshi Yamazaki</u>	
Witness # 2:	
Signature: <u>Shoko Tomita</u>	Date: <u>01-18-2018</u>
Witness Name: <u>Shoko Tomita</u>	

Signature: Hidekazu Noguchi

Date: 2018 / Jan. / 18th

Assignor Name: Hidekazu Noguchi

Witness # 1:

Signature: Masayoshi Yamazaki

Date: 1 / 18 / 2018

Witness Name: Masayoshi Yamazaki

Witness # 2:

Signature: Shoko Tomita

Date: 01 - 18 - 2018

Witness Name: Shoko Tomita