505983201 03/25/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHAW-HUNG KU	01/14/2020
CHIH-CHIEH CHENG	01/14/2020
CHENG-HSIEN CHENG	01/14/2020
YU-HUNG HUANG	01/14/2020
ATSUHIRO SUZUKI	01/14/2020
WEN-JER TSAI	01/14/2020

RECEIVING PARTY DATA

Name:	MACRONIX INTERNATIONAL CO., LTD.	
Street Address:	NO.16, LI-HSIN RD., SCIENCE-BASED INDUSTRIAL PARK	
City:	HSINCHU	
State/Country:	TAIWAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16828997

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	251310-5630
NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/
DATE SIGNED:	03/25/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 505983201 REEL: 052217 FRAME: 0523

Total Attachments: 2 source=00772926#page1.tif

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PATENT REEL: 052217 FRAME: 0524

	Altomey Reference:
ASSIGNN	IENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT
WHEREAS	Shaw-Hung KU, Chih-Chieh CHENG, Cheng-Heien CHENG, Yu-Hung HUANG, ATSUHIRO
	SUZUKI and Wen-Jer TSAI
, hereinafter	referred to collectively as the assignor and inventor, has invented a certain improvement relating to
CONSTRUCTOR SEEKS	3D MEMORY AND ERASE METHOD THEREOF
1819777 5 12 1 57777	AN INCIDENT AND COMMENDED STREETS AND STREETS
[X] said appli	cation being attached hereto;
	cation having been filed in the United States Patent and Trademark Office on and was amended
on	(if applicable);
[] the specif	ication of which was filed under the Patent Cooperation Treaty on
Serial No	, the United States of America being designated.
	HEREAS <u>MACRONIX INTERNATIONAL CO., LTD.,</u> hereinafter referred to as the assignee or desirous of acquiring the entire right, title and interest in and to said application, including any and all

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assigner, the receipt of which is hereby acknowledged, said assigner hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

divisions and continuations thereof, and in and to said invention and any and all patents which may be granted

therefor, including any and all renewals, reissues and prolongations thereof;

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

McClure, Qualey & Rodack, LLP. 旺宏編號 P1080206 [[三達編號 US14706PA

ASSIGNOR (ŞQLE OR FIRŞT INVENTOR);
Signature: Multi-Fluid Kul
Legal Name: Shaw-Hung KU
Legal Name: Shaw-Hung KU Date: 2020 / / /
and the second s
ASSIGNOR (SECOND INVENTOR):
Signature: CHIN-ChiRN CHEVG
Legal Name: Chih-Chieh CHENG
Date:
ASSIGNOR (THIRD INVENTOR):
Signature: 1/16/19-1/201 Charg
Legal Name: Cheng Hsien CHENG
Date: >0 1 , 1 4

ASSIGNOR (FOURTH INVENTOR):
Signature: 1/1/4 // //
Legal Name: Yu-Hung HUANG
Date:
ASSIGNOR (THIRD INVENTOR):
Signature: Aklay Van V
Legal Name: ATSUHIRO SUZUKI
Date: 2020 1 . 14
ASSIGNOR (FOURTH INVENTOR):
Signature: Wen-Jev Tau
Legal Name: Wen-Jer TSAI Date: >70. 1.14

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RECORDED: 03/25/2020

PATENT REEL: 052217 FRAME: 0526