

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7510845

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the LAST NAME OF THE SECOND INVENTOR previously recorded on Reel 052432 Frame 0807. Assignor(s) hereby confirms the SECOND INVENTOR'S LAST NAME IS SPELLED HUANG.
CONVEYING PARTY DATA	
Name	Execution Date
CHENMING HU	08/23/2022
PO-TSANG HUANG	08/23/2022
RECEIVING PARTY DATA	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
Street Address:	NO.8, LI-HSIN RD.6
Internal Address:	SCIENCE-BASED INDUSTRIAL PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300
Name:	NATIONAL CHIAO TUNG UNIVERSITY
Street Address:	NO.1001, DAXUE RD., EAST DIST.
City:	HSINCHU CITY,
State/Country:	TAIWAN
Postal Code:	300
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16727395
CORRESPONDENCE DATA	
Fax Number:	
<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:	8012971850
Email:	kcale@mabr.com
Correspondent Name:	R. BURNS ISRAELSEN
Address Line 1:	MASCHOFF BRENNAN
Address Line 2:	111 S MAIN ST #600
Address Line 4:	SALT LAKE CITY, UTAH 84111

ATTORNEY DOCKET NUMBER:	T1516.10649US01
NAME OF SUBMITTER:	R. BURNS ISRAELSEN
SIGNATURE:	/R. Burns Israelsen, Reg. No. 42685/
DATE SIGNED:	08/29/2022
Total Attachments: 5 source=T1516-10649US01_Corrected-Declaration Assignment#page1.tif source=T1516-10649US01_Corrected-Declaration Assignment#page2.tif source=T1516-10649US01_Corrected-Declaration Assignment#page3.tif source=T1516-10649US01_Marked-Up EPAS RECEIPT#page1.tif source=T1516-10649US01_Marked-Up EPAS RECEIPT#page2.tif	

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>CHENMING HU</td><td>03/17/2020</td></tr><tr><td>PO-TSANG HAUNG HUANG</td><td>01/21/2020</td></tr></tbody></table>	Name	Execution Date	CHENMING HU	03/17/2020	PO-TSANG HAUNG HUANG	01/21/2020							
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Application Number:	16727395												
CORRESPONDENCE DATA													
Fax Number:	(435)252-1361												
Phone:	4352521360												
Email:	vmangum@mabr.com												
<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>													
Correspondent Name:	MASCHOFF BRENNAN												
Address Line 1:	1389 CENTER DRIVE, SUITE 300												
Address Line 4:	PARK CITY, UTAH 84098												
ATTORNEY DOCKET NUMBER:	T1516.10649US01												

NAME OF SUBMITTER:	R. BURNS ISRAELSEN
Signature:	/R. Burns Israelsen/
Date:	04/17/2020
Total Attachments: 3 source=T1516-10649US01_Assignment#page1.tif source=T1516-10649US01_Assignment#page2.tif source=T1516-10649US01_Assignment#page3.tif	
RECEIPT INFORMATION EPAS ID: PAT6067495 Receipt Date: 04/17/2020	

DECLARATION AND ASSIGNMENT

Title of Invention: THREE DIMENSIONAL INTEGRATED CIRCUIT AND FABRICATION THEREOF

As a below named inventor, or one of the below named joint inventors, I hereby declare that:

This declaration and assignment is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

United States Application No. or PCT International Application No.: 16/727,395, filed on December 26, 2019

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

All statements made of my own knowledge are true and all statements made on information and belief are believed to be true.

I hereby acknowledge that any willful false statement made in this declaration may jeopardize the validity of the application or any patent issuing thereon and is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five (5) years, or both.

The above-identified invention shall henceforth be referred to herein as the "INVENTION" and the above-identified application shall henceforth be referred to herein as the "APPLICATION."

TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD., a corporation organized and existing under the laws of Taiwan, with its principal office at 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, 300-78, Taiwan and

NATIONAL CHIAO TUNG UNIVERSITY, a university organized and existing under the laws of Taiwan, with its principal office No.1001, Daxue Rd., East Dist., Hsinchu City 300, Taiwan, R.O.C.,

and its heirs, successors, legal representatives and assigns shall henceforth be referred to collectively herein as ASSIGNEE.

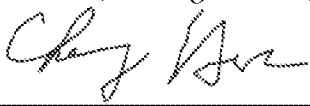
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have assigned and do hereby assign to ASSIGNEE, its successors and assigns, my entire right, title and interest in and to said INVENTION and in and to said APPLICATION and all patents which may be granted therefor, and all future non-provisional applications including, but not limited to, divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner for Patents to issue all patents for said INVENTION, or patents resulting therefrom, insofar as my interest is concerned, to ASSIGNEE, as assignee of my entire right, title and interest. I declare that I have not executed and will not execute any agreement in conflict herewith.

Additionally, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have also assigned and hereby assign to ASSIGNEE, its successors and assigns, all of my rights to the INVENTION disclosed in said APPLICATION, in all countries of the world, including, but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and I further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such rights.

I hereby further agree that I will communicate to ASSIGNEE, or to its successors, assigns, and legal representatives, any facts known to me respecting said INVENTION or the file history thereof, and at the expense of ASSIGNEE, its legal representatives, successors, or assigns, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid ASSIGNEE, its legal representatives, successors, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant the attorney of record the power to insert on this document any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year.

NAME OF INVENTOR (Full Legal Name) : <u>Chenming HU</u>	
Signature: <u></u>	Date: <u>8/23/2022</u>
NAME OF INVENTOR (Full Legal Name) : <u>Po-Tsang HUANG</u>	
Signature: _____	Date: _____

I hereby further agree that I will communicate to ASSIGNEE, or to its successors, assigns, and legal representatives, any facts known to me respecting said INVENTION or the file history thereof, and at the expense of ASSIGNEE, its legal representatives, successors, or assigns, will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid ASSIGNEE, its legal representatives, successors, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

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IN WITNESS WHEREOF, I hereunto set my hand and seal this day and year.

NAME OF INVENTOR (Full Legal Name) : <u>Chenming HU</u>	
Signature: _____	Date: _____
NAME OF INVENTOR (Full Legal Name) : <u>Po-Tsang HUANG</u>	
Signature: <u>Po-Tsang Huang</u>	Date: <u>2022/08/23</u>