

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6256751

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HSIEN-WEN WAN	08/06/2020
YI-TING CHENG	08/06/2020
MING-HWEI HONG	08/06/2020
JUEI-NAI KWO	08/06/2020
BO-YU YANG	08/06/2020
YU-JIE HONG	08/06/2020
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City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300
Name:	NATIONAL TAIWAN UNIVERSITY
Street Address:	NO.1, SEC. 4, ROOSEVELT ROAD
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Postal Code:	10617
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16945199
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PATENT

ATTORNEY DOCKET NUMBER:	T1516.10730US01
NAME OF SUBMITTER:	R. BURNS ISRAELSEN
SIGNATURE:	/R. Burns Israselsen/
DATE SIGNED:	08/18/2020
Total Attachments: 2 source=T1516-10730US01_Assignment#page1.tif source=T1516-10730US01_Assignment#page2.tif	

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) _____
SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF

The PATENT RIGHTS referred to in this agreement are:

(check one) ☐ a patent application for this invention, executed by the ASSIGNOR(S)
concurrently with this assignment.

☒ U.S. patent application Serial No. 16/945,199, filed July 31, 2020

☐ a U.S. patent application based on PCT International Application

No. _____ filed on (date) _____ (U.S. patent application
Serial No. _____, if known).

☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of
the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

☒ U.S. patent rights only.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures
appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) 1. TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

2. NATIONAL TAIWAN UNIVERSITY

(Address) 1. NO. 8, LI-HSIN RD. 6, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU,
TAIWAN 300, R.O.C.

2. NO. 1, SEC. 4, ROOSEVELT ROAD, TAIPEI 10617, TAIWAN, R.O.C.

The ASSIGNEE is:

(check one) ☐ An individual.

☐ A Partnership.

☒ 1. A Corporation of TAIWAN, R.O.C.

☒ 2. A University of TAIWAN, R.O.C.

☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and
valuable consideration, receipt of which is acknowledged, hereby assign(s) the following
rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable
provisions, based on any earlier patent applications for this invention.

PATENT

REEL: 053531 FRAME: 0478

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
ASSIGNEE: 1. TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
2. NATIONAL TAIWAN UNIVERSITY

INVENTION TITLE: SEMICONDUCTOR DEVICE AND MANUFACTURING
METHOD THEREOF

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Hsien-Wen WAN

Name of sole or first inventor

Hsien Wen Wan
Signature

2020.08.06
Date

Yi-Ting CHENG

Name of second inventor, if any

Yi-Ting Cheng
Signature

2020.08.06
Date

Ming-Hwei HONG

Name of third inventor, if any

Ming-Hwei Hong
Signature

2020.08.06
Date

Juei-Nai KWO

Name of fourth inventor, if any

Juei Nai Kwo
Signature

2020.08.06
Date

Bo-Yu YANG

Name of fifth inventor, if any

Bo-Yu Yang
Signature

2020.08.06
Date

Yu-Jie HONG

Name of sixth inventor, if any

Yu-Jie Hong
Signature

2020.08.06
Date

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RECORDED: 08/18/2020

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