PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YI-JING LEE	11/06/2015
TSZ-MEI KWOK	11/06/2015
MING-HUA YU	11/16/2015
KUN-MU LI	11/06/2015

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	
Street Address:	8, LI-HSIN RD. 6, HSINCHU SCIENCE PARK	
City:	HSINCHU	
State/Country:	TAIWAN	
Postal Code:	300-78	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	18069765	

CORRESPONDENCE DATA

Fax Number:

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.

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:	T1516.10231US06
NAME OF SUBMITTER: R. BURNS ISRAELSEN	
SIGNATURE: /R. Burns Israelsen, Reg. No. 42685/	
DATE SIGNED:	01/04/2023

Total Attachments: 2

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PATENT 507677633 REEL: 062275 FRAME: 0517

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ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title)_	
SEMICONDUCTOR DEVICE, STATIC RANDOM ACCESS MEMORY CELL AND MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE	
The PATENT RIGHTS referred to in this agreement are:	•,
(check one) a patent application for this invention, executed by the ASSIGNOR	(2)
concurrently with this assignment.	d ,
XU.S. patent application Serial No. 15/702,569 ,filed Septem	<u>oer 12, 2017</u>
a U.S. patent application based on PCT International Application	ŧ.
Nofiled on (date)(U.S. patent app	li¢ation
Serial No, if known).	
U.S. patent No, issued	W.
The PATENT RIGHTS also include all divisions, reissues, continuations and exter	isions of
the patents and patent applications identified above.	i.
The PATENT RIGHTS assigned under this agreement are:	¥
(check one) ⊠U.S. patent rights only.	17 3
Worldwide patent rights. In this case, the assignee shall have the rig	ht to
claim the benefit of the filing date of any U.S. or foreign patent app	lication
for this invention.	F
The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose s	signatures
appear on page 2 of this Assignment and any Supplemental Sheet(s).	: 1
The ASSIGNEE referred to in this agreement is:	•
(Name of Assignee) TAIWAN SEMICONDUCTOR MANUFACTURING CO., L	TĎ.
(Address) NO.8, LI-HSIN RD.6, SCIENCE-BASED INDUSTRIAL PARK, HSIN	CHU.
TAIWAN 300, R.O.C.	ŕ
The ASSIGNEE is:	Į.
(check one) An individual.	, i.
☐A Partnership.	i.
A Corporation ofTAIWAN, R.O.C. (specify state or country)	\$. '\$1
[](other)	1

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: 062275 FRAME: 0518 THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. INVENTION TITLE: SEMICONDUCTOR DEVICE, STATIC RANDOM ACCESS MEMORY CELL AND MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE

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, substituted 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.

Yi-Jing LEE	Yi-Ting LEE	2015.11.6
Name of sole or first inventor	Signature	Date
Tsz-Mei KWOK	TSZ-Mei KWOK	2015.11.6
Name of second inventor, if any	Signature	Date
Ming-Hua YU	Oning) Jua Yu	2015. 11 1h
Name of third inventor, if any	Signature Ma, Yu	Date
Kun-Mu II	Kun Mu Li	2015 11-6
Name of fourth inventor, if any	Signature	Date

PATENT REEL: 062275 FRAME: 0519

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