PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIH-FAN HUANG	03/22/2019
HUI-CHI CHEN	03/22/2019
KUO-CHIN CHANG	04/09/2019
CHIEN-HUANG YEH	04/09/2019
HONG-SENG SHUE	04/09/2019
DIAN-HAU CHEN	03/22/2019
YEN-MING CHEN	03/22/2019

RECEIVING PARTY DATA

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State/Country:	TAIWAN
Postal Code:	300-78

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17854840

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2018-2807/24061.3846US03
NAME OF SUBMITTER:	MARIA TEDESCO
SIGNATURE:	/Maria Tedesco/

507364341 PATENT REEL: 060373 FRAME: 0135

DATE SIGNED:	06/30/2022
Total Attachments: 3	
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PATENT REEL: 060373 FRAME: 0136



Docket No.: P20182807US01/24061.3846US01

Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

(1)	Chih-Fan Huang	of	Kaohsiung City, Taiwan, Republic of China
(2)	Hui-Chì Chen	of	Hsinchu County, Taiwan, Republic of China
(3)	Kuo-Chin Chang	of	Chiayi City, Taiwan, Republic of China
(4)	Chien-Huang Yeh	of	Hsinchu City, Taiwan, Republic of China
(5)	Hong-Seng Shue	of	Hsinchu County, Taiwan, Republic of China
(6)	Dian-Hau Chen	of	Hsinchu, Taiwan, Republic of China
(7)	Yen-Ming Chen	of	Hsin-Chu County, Taiwan, Republic of China

have invented certain improvements in

SHIELDING STRUCTURES

for which we have	executed an app	plication for Letters Patent of the United Sta	ates of America,
X	of even date fi	iled herewith; andand assigned application number	; and
WHEREAS, we a	uthorize the atto	orney of record to update this document to	o include Patent Office

information as deemed necessary (i.e., filing date, serial number, etc.);

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd., ("TSMC"), 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu, Taiwan 300-78, Republic of China is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

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**************************************	**************************************		
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