PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHU-WEN SHEN	06/02/2020
YOU-TING LIN	06/11/2020
JIUN-MING KUO	06/02/2020
YUAN-CHING PENG	06/03/2020
YI-CHENG LI	06/03/2020
PIN-JU LIANG	06/03/2020
PEI-REN JENG	06/03/2020

RECEIVING PARTY DATA

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Internal Address:	HSINCHU SCIENCE PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300-78

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16888515

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	MARIA TEDESCO
SIGNATURE:	/Maria Tedesco/

DATE SIGNED:	02/19/2021

Total Attachments: 3
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Docket No.: P20193493US00/24061.4134US01
Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

(1) Shu-Wen Shen of Hsinchu, Taiwan (R.O.C.)

(2) You-Ting Lin of Hsinchu, Taiwan, (R.O.C.)

(3) Jiun-Ming Kuo of Taipei City, Taiwan (R.O.C.)

(4) Yuan-Ching Peng of Hsinchu, Taiwan, (R.O.C.)

(5) Yi-Cheng Li of Hsinchu, Taiwan (R.O.C.)

(6) Pin-Ju Liang of Hsinchu, Taiwan (R.O.C.)

(7) Pei-Ren Jeng of Hsinchu County, Taiwan (R.O.C)

have invented certain improvements in

WAVY PROFILE MITIGATION

for which we have executed an application for Letters Patent of the United States of America,

__X__ of even date filed herewith; and
_____ filed on 05/29/2020 and assigned application number 16/888,515; and

WHEREAS, we authorize the attorney of record to update this document to 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.

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.

Inventor Name: Shu-Wen Shen

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Dated: 2020.06.02

Inventor Signature

Inventor Name: You-Ting Lin

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Dated: 2020.06.1

Inventor Signature

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Dated: 2020.06.02

Inventor Signature

Docket No.: P20193493US00/24061.4134US01
Customer No.: 42717

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Dated: 2020/06/03

Yuan C. Peng
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Inventor Name: Yi-Cheng Li

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Dated: 2020/06/03

Yi-Cheng Li
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Dated: 2020/06/03

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Inventor Signature

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Dated: 2020/06/03

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