## 506171300 07/24/2020

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHU FANG FU	08/16/2016
CHI-FENG HUANG	08/16/2016
CHIA-CHUNG CHEN	08/16/2016
VICTOR CHIANG LIANG	08/16/2016
FU-HUAN TSAI	08/16/2016

#### **RECEIVING PARTY DATA**

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
Street Address:	NO. 8, LI-HSIN RD. VI, HSINCHU SCIENCE PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16938528

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DATE SIGNED:	07/24/2020

**Total Attachments: 1** 

PATENT REEL: 053307 FRAME: 0700 source=EfiledAssgn#page1.tif

PATENT REEL: 053307 FRAME: 0701

Docket No. P20160314US00 T5057-1215U

## ASSIGNMENT

In consideration of the premises and other good a	nd valuable consideration	in hand paid.	the receipt a	nd sufficiency	οf
which is hereby acknowledged, the undersigned,			,		٠.

- 1) Shu Fang FU Victor Chiang LIANG Chi-Feng HUANG 5) Fu-Huan TSAI
- Chia-Chung CHEN

who has made a certain new and useful invention, hereby sells, assigns and transfers unto TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD., having a place of business at No. 8, Li-Hsin Rd. VI, Hsinchu Science Park, Hsinchu 300, Taiwan R.O.C.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

## HIGH SPEED SEMICONDUCTOR DEVICE

(a)	for which an application for United States Letters Patent was filed on	2016-09-02	_, and identified by
	United States Patent Application No. 15/255,370	; or	_,
(b)	for which an application for United States Letters Patent was executed o	n,	
and the	undersigned hereby authorizes and requests the United States Commissi	oner of Patents and Tradem	narks to issue any and

all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Shu Fang Fu
Name: Shu Fang FU
2) Chi - Feng Huang
Name: Chi-Feng HUANG

3) Chra-Chury Chor Name: Chia-Chung CHEN

5) Fu-Huan TSAI

**PATENT REEL: 053307 FRAME: 0702**