506340415 11/05/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6387168

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the LEGAL NAME OF THE FIRST INVENTOR previously recorded on Reel 053865 Frame 0723. Assignor(s) hereby confirms the THE LEGAL NAME OF THE FIRST INVENTOR IS HSIANG-HUI AND NOT INGRID CHENG.

CONVEYING PARTY DATA

Name	Execution Date
HSIANG-HUI CHENG	10/23/2020
CHIA-JUNG CHANG	10/23/2020

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:	17030062

CORRESPONDENCE DATA

Fax Number: (703)518-5499

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: 7036841111 Email: tsmc@ipfirm.com

Correspondent Name: HAUPTMAN HAM, LLP (TSMC)

Address Line 1: 2318 MILL ROAD Address Line 2: **SUITE 1400**

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	T5057-1474U
NAME OF SUBMITTER:	RANDY A. NORANBROCK
SIGNATURE:	/Randy A. Noranbrock/
DATE SIGNED:	11/05/2020

Total Attachments: 4

source=EfiledCorrectedAssgn2020-11-05#page1.tif source=EfiledCorrectedAssgn2020-11-05#page2.tif

> **PATENT** REEL: 054343 FRAME: 0522 506340415

source=EfiledCorrectedAssgn2020-11-05#page3.tif source=EfiledCorrectedAssgn2020-11-05#page4.tif

> PATENT REEL: 054343 FRAME: 0523



United States Patent and Trademark Office



Home | Site Index | Search | Guides | Contacts | eBusiness | eBiz alerts | News | Help

Electronic Patent Assignment System

Confirmation Receipt

Your assignment has been received by the USPTO. The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

	Name	Execution Date
WORID CHI	Hsiang-Hui CHENG	06/08/2020
CHIA-JUNG	CHANG	06/08/2020

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
: 3	Application Number:	17030062

CORRESPONDENCE DATA

 Fax Number:
 (703)518-5499

 Phone:
 7036841111

 Email:
 tsmc@ipfirm.com

PATENT REEL: 054343 FRAME: 0524,2020, 6:39 PM

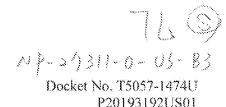
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. HAUPTMAN HAM, LLP (TSMC) **Correspondent Name:** 2318 MILL ROAD Address Line 1: Address Line 2: **SUITE 1400** Address Line 4: ALEXANDRIA, VIRGINIA 22314 ATTORNEY DOCKET T5057-1474U **NUMBER:** NAME OF SUBMITTER: RANDY A. NORANBROCK Signature: /Randy A. Noranbrock/ Date: 09/23/2020 **Total Attachments: 1** source=EfiledAssgn#page1.tif RECEIPT INFORMATION EPAS ID: PAT6314628 Receipt Date: 09/23/2020

Return to home page

| .HOME | INDEX | SEARCH | eBUSINESS | CONTACT US | PRIVACY STATEMENT

PATENT

REEL: 054343 FRAME: 05/25/2020, 6:39 PM



ASSIGNMENT

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

- 1) Hsiang-Hui CHENG
- 2) Chia-Jung CHANG

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

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

VOLTAGE TRACKING CIRCUIT AND METHOD OF OPERATING THE SAME

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks 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.

1

PATENT REEL: 054343 FRAME: 0526

SIGNED on the date indicated aside my signature: