

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7095160

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TSENG-FU LU	07/22/2020
RECEIVING PARTY DATA	
Name:	NANYA TECHNOLOGY CORPORATION
Street Address:	NO.98, NANLIN RD., TAISHAN DIST.
City:	NEW TAIPEI CITY
State/Country:	TAIWAN
Postal Code:	243
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17563286
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	6266287931
Email:	steven@ifpatent.com
Correspondent Name:	XUAN ZHANG
Address Line 1:	2410 MOUNTAIN BROOK DR
Address Line 4:	HACIENDA HEIGHTS, CALIFORNIA 91745
ATTORNEY DOCKET NUMBER:	USP-NT131
NAME OF SUBMITTER:	XUAN ZHANG
SIGNATURE:	/XUAN ZHANG/
DATE SIGNED:	12/28/2021
Total Attachments: 2	
source=2020-0480-US-Assignment#page1.tif	
source=2020-0480-US-NOR#page1.tif	

ASSIGNMENT

WHEREAS, I(we), **LU, TSENG-FU**, whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, have invented certain new and useful invention entitled SEMICONDUCTOR DEVICE HAVING REDUCED CONTACT RESISTANCE BETWEEN ACCESS TRANSISTORS AND CONDUCTIVE FEATURES AND METHOD OF MANUFACTURING THE SAME (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent /Utility Patent is executed on even date herewith unless at least one of the following is checked:

- United States Design Patent was
- executed on:
- filed on: _____ Serial No.: _____
- established by PCT International Patent Application No.: _____ filed: _____ designating the United States of America
- issued on _____ as U.S. Patent No.: _____

WHEREAS, **NANYA TECHNOLOGY CORPORATION**, whose post office address is **NO.98, NANLIN RD., TAI SHAN DIST., NEW TAIPEI CITY 243, TAIWAN (R.O.C.)**, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in and to the same in the United States and its territorial possessions;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application for the full term or terms for which the same may be granted, including all priority rights under any International Convention.

ASSIGNOR further covenants that no assignments, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment;

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE'S expense, to identify and communicate to ASSIGNEE at ASSIGNEE'S request documents and information concerning the INVENTION that are within ASSIGNOR'S possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance, litigation and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR'S obligations under this instrument shall extend to ASSIGNOR'S heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE'S sole use and behoof; and for the use and behoof of ASSIGNEE'S legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

Assignor Name LU, TSENG-FU	Address 14F., NO.332, XUEFU RD., SHULIN DIST., NEW TAIPEI CITY 238, TAIWAN (R.O.C.)
Signature of Assignor <i>Lu Tseng-Fu</i>	Date of Signature <i>2020/7/22</i>
Name of Witness (optional)	Name of Witness (optional)
Signature of Witness (optional)	Signature of Witness (Optional)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 17, 2020

PTAS

MUNCY, GEISSLER, OLDS & LOWE, P.C.
4000 LEGATO ROAD
SUITE 310
FAIRFAX, VA 22033

506356910

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 11/16/2020

REEL/FRAME: 054380/0465
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 5481/0672PUS1

ASSIGNOR:

LU, TSENG-FU

DOC DATE: 07/22/2020

ASSIGNEE:

NANYA TECHNOLOGY CORPORATION
NO.98, NANLIN RD., TAISHAN DIST.
NEW TAIPEI CITY, TAIWAN 243

APPLICATION NUMBER: 17098033

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: SEMICONDUCTOR DEVICE HAVING REDUCED CONTACT RESISTANCE BETWEEN ACCESS TRANSISTORS AND CONDUCTIVE FEATURES AND METHOD OF MANUFACTURING THE SAME

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION