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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHUN-YU LIN	12/29/2016
MING-DOU KER	12/29/2016
WEN-TAI WANG	12/14/2016

RECEIVING PARTY DATA

Name:	GLOBAL UNICHIP CORPORATION
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City:	HSINCHU CITY
State/Country:	TAIWAN
Postal Code:	30078
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
Street Address:	NO.8, LI-HSIN RD.6, SCIENCE-BASED INDUSTRIAL PARK
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	300

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15397741

CORRESPONDENCE DATA

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Address Line 4: HONG KONG, HONG KONG

ATTORNEY DOCKET NUMBER: TWT04974/US

NAME OF SUBMITTER: JAMES LYNN O'SULLIVAN

PATENT REEL: 040847 FRAME: 0365

SIGNATURE: /James Lynn O'Sullivan/				
DATE SIGNED: 01/05/2017				
Total Attachments: 2				
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PATENT REEL: 040847 FRAME: 0366

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ASSIGNMENT OF A	IND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS	PATENT
WHEREAS Chun-Y	u LIN. Ming-Dou KER, Wen-Tai WANG hereinafter referred to collectively as t	he assignor
and inventor, has invent	ed a certain improvement relating to	
GATE-BOUNDED SILIC	CON CONTROLLED RECTIFIER.	
	ng been filed in the United States Patent and Trademark Office on	s amended
on	(if applicable):	
[] the specification of w	hich was filed under the Patent Cooperation Treaty on, the United States of America being designated.	>

Attorney Reference

AND WHEREAS 1. GLOBAL UNICHIP CORPORATION 2. TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof:

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Address all correspondence and telephone calls to CKC & Partners Co., Ltd., 12th Floor, Ruttonjee House 11 Duddell Street, Hong Kong, Telephone: (888)388-6609; Fax: (888)388-6582, Customer No. 60589.

> **PATENT** REEL: 040847 FRAME: 0367

Continued -Page 2 ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:	ASSIGNOR (FIRST INVENTOR):
Signature:	Signature: Clumbu Lu
Name:	Legal Name: <u>Chun-Yu LIN</u>
Address:	Date: <u>Dec. 29, 2016</u>
WITNESS:	ASSIGNOR (SECOND INVENTOR):
Signature:	Signature /////9_SOU_\CY
Name:	Legal Name: Ming-Dou KER
Address	Date: <u>Dec. 29, 2016</u>
WITNESS;	ASSIGNOR (THIRD JNVENTOR):
Signature:	Signature: Ulla-/w Vlang
Name:	Legal Name: <u>Wen-Tai WANG</u>
Address:	Oate: 12/14/2019

CKC & Partners Co., Ltd., Hong Kong

RECORDED: 01/05/2017

PATENT

REEL: 040847 FRAME: 0368