10/19/2016 504056166

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4102832

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Liang Yi	10/14/2016
Chia-Ching Hsu	10/14/2016
Shen-De Wang	10/17/2016
Ko-Chi Chen	10/14/2016
GUOAN DU	10/17/2016

RECEIVING PARTY DATA

Name:	UNITED MICROELECTRONICS CORP.
Street Address:	No.3, Li-Hsin Road 2, Science-Based Industrial Park
City:	Hsin-Chu City
State/Country:	TAIWAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15297164

CORRESPONDENCE DATA

Fax Number: (703)997-4517

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: 3027291562

Email: Patent.admin.uspto.cr@naipo.com

Correspondent Name: WINSTON HSU Address Line 1: P.O.BOX 506

Address Line 4: MERRIFIELD, VIRGINIA 22116

ATTORNEY DOCKET NUMBER:	NAUP2831USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	10/19/2016

Total Attachments: 10 source=2688751#page1.tif source=2688751#page2.tif source=2688751#page3.tif

> **PATENT** REEL: 040050 FRAME: 0289 504056166



PATENT REEL: 040050 FRAME: 0290

Title of Invention: SEMICONDUCTOR DEVICE AND METHOD OF MAKING THE SAME

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nu	mber	filed on	, or
☐ PCT international application	number	filed on	-
The above-identified application was	made or authorized to be mad	e by me.	
I believe that I am the original invent application.	or or an original joint inventor of	f a claimed invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement made in this disonment of not more than five (eclaration is punishable (5) years, or both.	
In consideration of the payment by	UNITED MICROELECTRO	ONICS having a postal a	address of
No.3, Li-Hsin Road 2, Science	-Based Industrial Park, H	sin-Chu City 300, Taiw	an, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1 d valuable consideration.	.00), the receipt of which is	hereby
I hereby sell, assign and transfer to a the entire right, title and interest in a invention as above-identified applica invention by the above application or substitutes, or extensions thereof, ar	nd to any and all improvements tion and, in and to, all Letters Par any continuations, continuation	which are disclosed in the atent to be obtained for said 1-in-part, divisions, renewals	d s.
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbra n this assignment;	ance has been or will be ma	ıde or
I further covenant that ASSIGNEE wand documents relating to said inven known and accessible to I and will te related thereto and will promptly exe	tion and said Letters Patent and stify as to the same in any inter	d legal equivalents as may t ference, litigation proceedin	be
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have he	lication, said invention and said cessary or desirable to carry ou	Letters Patent and said ut the proposes thereof.	e of signing)
Note: An application data sheet (PTC			

Page 1 of 10

NPO#NAU-P2831-USA:0 CUST#UMCD-2016-0333

Docket No NAUP2831USA

LEGAL NAI	WE OF INVENTOR (ASSIGNOR)					
Inventor:	Liang Yi	Date:	14	00	2016	
Signature:	Villane					
	J V					

Page 2 of 10

Title of Invention: SEMICONDUCTOR DEVICE AND METHOD OF MAKING THE SAME

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I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified applica invention by the above application or substitutes, or extensions thereof, an	nd to any and all improvemer tion and, in and to, all Letters any continuations, continuat	its which are Patent to be ion-in-part, di	disclosed ir obtained fo visions, rer	n the or said newals
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I further covenant that ASSIGNEE wand documents relating to said inven known and accessible to I and will te related thereto and will promptly executed.	tion and said Letters Patent a stify as to the same in any in	and legal equ terference, liti	ivalents as	may be
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have he	lication, said invention and sacessary or desirable to carry	aid Letters Pa out the propo	tent and sa	aid f. (Date of signing)
Note: An application data sheet (PTC				

Page 3 of 10

NPO#NAU-P2831-USA:0 CUST#UMCD-2016-0333

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Chia-Ching Hsu Date:

Date: 14 OC+ 2016

Signature: Chia-Ching Hsu

NPO#NAU-P2831-USA:0 CUST#UMCD-2016-0333 Page 4 of 10

Title of Invention:

SEMICONDUCTOR DEVICE AND METHOD OF MAKING THE SAME

As the below named inventor, I here This declaration is directed to:	eby declare that:		
☑ The attached application, or	<u>.</u>		
☐ United States application nu	ımber	filed on	, or
☐ PCT international application	n number	filed on	
The above-identified application was	s made or authorized to be made	e by me.	***************************************
I believe that I am the original invent application.	tor or an original joint inventor of	a claimed invention in the	
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hereby sell, assign and transfer to a the entire right, title and interest in a invention as above-identified applica invention by the above application of substitutes, or extensions thereof, ar	nd to any and all improvements ition and, in and to, all Letters Pa r any continuations, continuation	which are disclosed in the atent to be obtained for said	ΕE
hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbra h this assignment;	ince has been or will be made	or
further covenant that ASSIGNEE wand documents relating to said inver known and accessible to I and will te related thereto and will promptly exe	ntion and said Letters Patent and estify as to the same in any inten	d legal equivalents as may be ference, litigation proceeding	s
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne N WINTNESS WHEREOF, I have he	olication, said invention and said ecessary or desirable to carry ou	Letters Patent and said the proposes thereof.	f signing)
Note: An application data sheet (PTC	D/SB/14 or equivalent), including s form. Use this form for <u>each a</u> c	anaming the entire	

Page 5 of 10

Docket No NAUP2831USA

LEGAL NAP	ME OF INVENTOR (ASSIGN	OR)			0	.7	
Inventor:	Shen-De Wang		Date:	17	UG	2016	
Signature:	Wang	han De	,				

Page 6 of 10

Title of Invention:

SEMICONDUCTOR DEVICE AND METHOD OF MAKING THE SAME

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l hereby covenant that no assignmen entered into which would conflict with	nt, sale, agreement or encumbrar n this assignment;	nce has been or will be made	or
I further covenant that ASSIGNEE wi and documents relating to said inven known and accessible to I and will te related thereto and will promptly exec	tion and said Letters Patent and stify as to the same in any interfe	legal equivalents as may be erence. litigation proceeding	ts
representatives any and all papers, ir maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have he	lication, said invention and said I cessary or desirable to carry out	Letters Patent and said the proposes thereof.	of signing)
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including s form. Use this form for each ad	naming the entire	

Page 7 of 10

NPO#NAU-P2831-USA:0 CUST#UMCD-2016-0333

LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Ko-Chi Chen	Date:	OCT 1 4 2016	
Signature:	Chen Ko Chi			

Page 8 of 10

Title of Invention: SEMICONDUCTOR DEVICE AND METHOD OF MAKING THE SAME

As the below named inventor, I here This declaration is directed to:	by declare that:		
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I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbran n this assignment;	ce has been or will be made	or
I further covenant that ASSIGNEE w and documents relating to said inven known and accessible to I and will te related thereto and will promptly exec	ition and said Letters Patent and I stify as to the same in any interfe	egal equivalents as may be rence, litigation proceeding	cts
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Page 9 of 10

Docket No NAUP2831USA

LEGAL NA	ME OF INVENTOR(ASSIGNOR)					
Inventor:	GUOAN DU	Date:	17	0Ct	20 6	
Signature:	DiGuoan					

NPO#NAU-P2831-USA:0 CUST#UMCD-2016-0333 Page 10 of 10

F#NPO-P0002E-US1201 DSB0-105U018910

PATENT REEL: 040050 FRAME: 0300