10/05/2017 504582597

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Po-Wen Su	10/03/2017
Hsuan-Tai Hsu	10/03/2017
Kuan-Hsuan Ku	10/03/2017

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:	15726358	

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.

3027291562 Phone:

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

Correspondent Name: WINSTON HSU

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Address Line 4: **NEW TAIPEI CITY, TAIWAN**

ATTORNEY DOCKET NUMBER:	NAUP3167USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	10/05/2017

Total Attachments: 6

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PATENT 504582597

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PATENT REEL: 043801 FRAME: 0453

COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention:

CONTACT HOLE STRUCTURE AND METHOD OF FABRICATING THE SAME

As the below named inventor, I hereby declare that: This declaration is directed to:			
☑ The attached application, or	r		
☐ United States application number		filed on , or	
☐ PCT international application	n number	filed on	
The above-identified application was	s made or authorized to be made	by me.	
I believe 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 under18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
In consideration of the payment by	UNITED MICROELECTROI CORP.	NICS having a postal addres	s of
No.3, Li-Hsin Road 2, Science	e-Based Industrial Park, Hs	in-Chu City 300, Taiwan, R	.o.c
(referred to as "ASSIGNEE"below) to acknowledged, and for other good an	o I of the sum of One Dollar (\$ 1.0 nd valuable consideration.	00), the receipt of which is hereb	y
I hereby sell, assign and transfer to a the entire right, title and interest in an invention as above-identified applica invention by the above application or substitutes, or extensions thereof, ar	nd to any and all improvements w ition and, in and to, all Letters Pai r anv continuations, continuation-	hich are disclosed in the tent to be obtained for said in-part, divisions, renewals	
I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	olication, said invention and said t ecessary or desirable to carry out	etters Patent and said	ning)
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use this form for each additional inventor.			

Page 1 of 6

Docket No NAUP3167USA

Inventor: Po-Wen Su Date: OCT 0 3 2017

Signature: P0 - Wen Su

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NPO#NAU-P3167-USA:0 CUST#UMCD-2017-0487

F#NPO-P0002E-US1201 DSB0-106U024461

COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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(referred to as "ASSIGNEE"below) to acknowledged, and for other good an	o I of the sum of One Dollar (\$ 1.0 d valuable consideration.	00), the receipt of which is here	eby
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 of substitutes, or extensions thereof, ar	nd to any and all improvements w tion and, in and to, all Letters Pat any continuations, continuation-	rhich are disclosed in the ent to be obtained for said in-part, divisions, renewals	E
I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	lication, said invention and said L cessary or desirable to carry out	etters Patent and said	gning)
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use this form for each additional inventor.			

Page 3 of 6

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Hsuan-Tai Hsu

Date:

OCT 0 3 2017

Signature:

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COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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(referred to as "ASSIGNEE"below) to I of the sum of One Dollar (\$ 1.0 acknowledged, andfor other good and valuable consideration.		
I hereby sell, assign and transfer to ASSIGNEE and the successors ar the entire right, title and interest in and to any and all improvements whit invention as above-identified application and, in and to, all Letters Pate invention by the above application or any continuations, continuation-in substitutes, or extensions thereof, and as to Letters Patent any reissue	nich are disclosed in the ent to be obtained for said	EΕ
hereby covenant that no assignment, sale, agreement or encumbrant entered into which would conflict with this assignment;	ce has been or will be made o	or
further covenant that ASSIGNEE will, upon its request, be provided pand documents relating to said invention and said Letters Patent and leans and accessible to I and will testify as to the same in any interfer related thereto and will promptly execute and deliver to ASSIGNEE or	egal equivalents as may be	5
representatives any and all papers, instruments or affidavits required to maintain, issue and enforce said application, said invention and said Leaquivalents thereof which may be necessary or desirable to carry out the N	etters Patent and said	igning)
Note: An application data sheet (PTO/SB/14 or equivalent), including n nventive entity, must accompany this form. Use this form for <u>each add</u>	aming the entire itional inventor.	

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NPO#NAU-P3167-USA:0 CUST#UMCD-2017-0487

F#NPO-P0002E-US1201 DSB0-106U024461

Docket No NAUP3167USA

LEGAL NAME OF INVENTOR(ASSIGNOR)			
inventor:	Kuan-Hsuan Ku	Date:	OCT 0 3 2017
Signature:	kuan Hisuan ku		

NPO#NAU-P3167-USA:0 CUST#UMCD-2017-0487

RECORDED: 10/05/2017

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F#NPO-P0002E-US1201 DSB0-106U024461

PATENT REEL: 043801 FRAME: 0459