504871378 04/17/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hsiao-Lin Hsu	04/11/2018
En-Chiuan Liou	04/11/2018
Yi-Ting Chen	04/11/2018
Sho-Shen Lee	04/11/2018

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State/Country:	CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15954591	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	NAUP3247USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	04/17/2018

PATENT 504871378 REEL: 045556 FRAME: 0571

Total Attachments: 8	
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Title of Invention:

MEASUREMENT MARK AND METHOD FOR MONITORING SEMICONDUCTOR PROCESS

As the below named inventor, I herel This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nu	mber	_filed on, o	r
☐ PCT international application	number	filed on	
The above-identified application was	made or authorized to be made to	by me.	
I believe that I am the original inventorapplication.	or or an original joint inventor of a	claimed invention in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri			
In consideration of the payment by	UNITED MICROELECTRON CORP.	IICS having a postal addres	ss of
No.3, Li-Hsin Road 2, Science	-Based Industrial Park, Hsi	n-Chu City 300, Taiwan, R	R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	l of the sum of One Dollar (\$ 1.0 d valuable consideration.	00), the receipt of which is hereb	ру
	Fujian Jinhua Integrated C Co., Ltd.	ircuit having a postal addres	ss of
No.88, Lianhua Avenue, Integr Fujian Province 362200, P.R.C		Jinjiang City, Quanzhou (City,
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	l of the sum of One Dollar (\$ 1.0 d valuable consideration.	00), the receipt of which is hereb	ру
I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified application or substitutes, or extensions thereof, and	nd to any and all improvements wi tion and, in and to, all Letters Pate any continuations, continuation-i	hich are disclosed in the ent to be obtained for said n-part, divisions, renewals.	<u> </u>
I hereby covenant that no assignment entered into which would conflict with		ce 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 I stify as to the same in any interfe	legal equivalents as may be rence, litigation proceeding	

Page 1 of 8

NPO#NAU-P3247-USA:0 CUST#UMCF-2017-0181

representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof. IN WITNESS WHEREOF, I have hereunto set hand and seal this \$\text{APR} \frac{1}{2} \frac{1}{2} \frac{2018}{18}\$ (Date of signing)

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.

LEGAL NA	ME OF INVENTOR(A	ASSIGNOR)			
Inventor:	Hsiao-Lin Hsu		Date:	APR 1 1 2018	
Signature:	H4ao-La	Hon	:	Maria	_

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NPO#NAU-P3247-USA:0 CUST#UMCF-2017-0181

F#NPO-P0002E-US1201 DSB0-107U001991

Title of invention:

MEASUREMENT MARK AND METHOD FOR MONITORING SEMICONDUCTOR PROCESS

As the below named inventor, I here This declaration is directed to:	eby declare that:			
☑ The attached application, or	r			
☐ United States application no	umber	filed	on	, or
☐ PCT international application	n number	fil	ed on	
The above-identified application was	s made or authorized	to be made by me	•	
I believe that I am the original inventapplication.	tor or an original join	t inventor of a claim	ed invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impo	ul false statement ma risonment of not mor	ade in this declaration e than five (5) year	on is punishable s, or both.	
In consideration of the payment by	UNITED MICRO CORP.	ELECTRONICS	having a postal a	address of
No.3, Li-Hsin Road 2, Science	e-Based Industria	al Park, Hsin-Ch	u City 300, Taiw	an, R.O.C.
(referred to as "ASSIGNEE"below) t acknowledged, andfor other good ar	o I of the sum of One nd valuable consider	e Dollar (\$ 1.00), the ation.	e receipt of which is	hereby
In consideration of the payment by	Fujian Jinhua Ir Co., Ltd.	ntegrated Circui	t having a postal a	address of
No.88, Lianhua Avenue, Integ Fujian Province 362200, P.R.	grated Circuit Sci C.	ence Park, Jinji	ang City, Quanz	hou City,
(referred to as "ASSIGNEE"below) t acknowledged, andfor other good ar	o I of the sum of One nd valuable consider	e Dollar (\$ 1.00), the ation.	e receipt of which is	hereby
I hereby sell, assign and transfer to the entire right, title and interest in a invention as above-identified applica- invention by the above application o substitutes, or extensions thereof, a	and to any and all imp ation and, in and to, a or any continuations,	provements which a all Letters Patent to continuation-in-part	re disclosed in the be obtained for said divisions, renewal	d s,
I hereby covenant that no assignme entered into which would conflict wit	nt, sale, agreement of this assignment;	or encumbrance ha	s been or will be ma	ade or
I further covenant that ASSIGNEE wand documents relating to said inversement and accessible to I and will to related thereto and will promptly exercise.	ntion and said Letter estify as to the same	s Patent and legal of in any interference	equivalents as may , litigation proceedir	be

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representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof. IN WITNESS WHEREOF, I have hereunto set hand and seal this APR 1 1 2018 (Date of signing)

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LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

En-Chiuan Liou

Date:

APR 1 1 2018

Signature:

Page 4 of 8

F#NPO-P0002E-US1201 DSB0-107U001991

Title of Invention:

MEASUREMENT MARK AND METHOD FOR MONITORING SEMICONDUCTOR PROCESS

As the below named inventor, I here this declaration is directed to:	by declare that:			
☑ The attached application, or				
☐ United States application numberfiled on				
☐ PCT international application	n number	file	d on	
The above-identified application was	made or authorized to	be made by me.		
I believe that I am the original inventor application.	or or an original joint ir	ventor of a claime	d invention in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri				
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One E d valuable considerati	ollar (\$ 1.00), the on.	receipt of which is he	reby
	Fujian Jinhua Inte Co., Ltd.	grated Circuit	having a postal add _	ress of
No.88, Lianhua Avenue, Integ Fujian Province 362200, P.R.C	rated Circuit Scier).	nce Park, Jinjia	ng City, Quanzho	u City,
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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 impro tion and, in and to, all rany continuations, co	vements which are Letters Patent to b ntinuation-in-part, o	e disclosed in the e obtained for said divisions, renewals,	EE
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or n this assignment;	encumbrance 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	tion and said Letters F stify as to the same in	Patent and legal eq any interference, I	uivalents as may be itigation proceeding	ts

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NPO#NAU-P3247-USA:0 CUST#UMCF-2017-0181

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LEGAL NAI	ME OF INVENTOR(ASSIGNO	DR)			
Inventor:	Yi-Ting Chen		Date:	APR 1 1 2018	
Signature:	Yi Tay	Chen.			

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NPO#NAU-P3247-USA:0 CUST#UMCF-2017-0181

F#NPO-P0002E-US1201 DSB0-107U001991

Title of Invention:

MEASUREMENT MARK AND METHOD FOR MONITORING SEMICONDUCTOR PROCESS

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☐ United States application nu	ımber	filed	l on	, or
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The above-identified application was	s made or authoriz	ed to be made by me		
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In consideration of the payment by	Fujian Jinhua Co., Ltd.	Integrated Circui	t having a postal a	ddress of
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I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreemen h this assignment;	t or encumbrance ha	s been or will be mad	de or
I further covenant that ASSIGNEE wand documents relating to said inverknown and accessible to I and will terelated thereto and will promptly exe	ntion and said Lette estify as to the sam	ers Patent and legal one in any interference	equivalents as may b	e

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LEGAL NA	ME OF INVENTOR(ASSIG	NOR)			
Inventor:	Sho-Shen Lee		Date:	APR 1 1 2018	
Signature:	Sho-Shen	Lee	-		-

NPO#NAU-P3247-USA:0 CUST#UMCF-2017-0181 Page 8 of 8

F#NPO-P0002E-US1201 DSB0-107U001991

PATENT REEL: 045556 FRAME: 0580

RECORDED: 04/17/2018