504907699 05/09/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4954443

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Feng-Yi Chang	05/07/2018
Fu-Che Lee	05/07/2018
Hsin-Yu Chiang	05/07/2018

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:	ntry: TAIWAN		
Name: FUJIAN JINHUA INTEGRATED CIRCUIT CO., LTD.			
Street Address: NO.88, LIANHUA AVENUE, INTEGRATED CIRCUIT SCIENCE PARK, JINJIANG CITY			
City:	QUANZHOU CITY,FUJIAN PROVINCE		
State/Country:	CHINA		

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15975730		

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.

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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:	NAUP3267USA
NAME OF SUBMITTER:	STEFFI CHANG
SIGNATURE:	/STEFFI CHANG/
DATE SIGNED:	05/09/2018

PATENT 504907699 REEL: 045759 FRAME: 0034

Total Attachments: 6 source=3146692#page1.tif source=3146692#page2.tif source=3146692#page3.tif source=3146692#page4.tif source=3146692#page5.tif source=3146692#page6.tif

PATENT REEL: 045759 FRAME: 0035

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: PATTERNING METHOD

As the below named inventor, I here This declaration is directed to:	by declare that:			
☑ The attached application, or	r			
☐ United States application nu	ımber	_filed on, or		
☐ PCT international applicatio		filed on		
The above-identified application was	s made or authorized to be made	by me.		
I believe that I am the original invent application.	tor or an original joint inventor of a	a claimed invention in the		
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	Il false statement made in this dec risonment of not more than five (5	claration is punishable) years, or both.		
In consideration of the payment by	UNITED MICROELECTRON CORP.	NICS having a postal address of		
No.3, Li-Hsin Road 2, Science	e-Based Industrial Park, Hsi	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 hereby		
In consideration of the payment by	Fujian Jinhua Integrated C Co., Ltd.	ircuit having a postal address of		
No.88, Lianhua Avenue, Integ Fujian Province 362200, P.R.O	rated Circuit Science Park, C.	Jinjiang City, Quanzhou City,		
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1.0 nd valuable consideration.	00), the receipt of which is hereby		
I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.				
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				

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NPO#NAU-P3267-USA:0 CUST#UMCF-2018-0002 F#NPO-P0002E-US1201 DSB0-107U006305

Docket No NAUP3267USA

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 MAY 0.72018 (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 <u>each additional inventor.</u>

LEGAL NAME OF INVENTOR(ASSIGNOR)						
Inventor: Feng-Yi Chang		Date:	MAY 0 7 2018			
Signature:	> Feng-Y: Chang					

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NPO#NAU-P3267-USA:0 CUST#UMCF-2018-0002 F#NPO-P0002E-US1201 DSB0-107U006305

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: PATTERNING METHOD

As the below named inventor, I hereby This declaration is directed to:	/ declare that:				
The attached application, or					
☐ United States application nun	nber	filed o	n	, or	
☐ PCT international application		filed on		_	
The above-identified application was n	nade or authorized to be made b				
I believe that I am the original inventor application.	or an original joint inventor of a	claimed	d invention in the		
I hereby acknowledge that any willful funder18 U.S.C. 1001 by fine or imprison	alse statement made in this deck onment of not more than five (5)	aration years,	is punishable or both.		
	INITED MICROELECTRONI ORP.	ics	having a postal ad	ldress of	
No.3, Li-Hsin Road 2, Science-F	Based Industrial Park, Hsin	ո-Chu	City 300, Taiwa	n, R.O.C.	
(referred to as "ASSIGNEE"below) to I acknowledged, andfor other good and	of the sum of One Dollar (\$ 1.00 valuable consideration.	D), the r	eceipt of which is h	ereby	
In consideration of the payment by F	In consideration of the payment by Fujian Jinhua Integrated Circuit having a postal address of Co., Ltd.				
No.88, Lianhua Avenue, Integra Fujian Province 362200, P.R.C.	ted Circuit Science Park, C	Jinjian	g City, Quanzh	ou City,	
(referred to as "ASSIGNEE"below) to I acknowledged, andfor other good and	of the sum of One Dollar (\$ 1.00 valuable consideration.)), the r	eceipt of which is h	ereby	
I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.					
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					

Page 3 of 6

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 __MAY__0_7_2018_ (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 <u>each additional inventor.</u>

LEGAL NAME OF INVENTOR(ASSIGNOR)						
Inventor:	Fu-Che Lee		Date:	MAY	0 7 2018	
Signature:	2 Fu-che	Lee	•			

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NPO#NAU-P3267-USA:0 CUST#UMCF-2018-0002 F#NPO-P0002E-US1201 DSB0-107U006305

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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☑ The attached application, or				
☐ United States application nu	mber	_filed o	n	, or
☐ PCT international application	n number		ed on	
The above-identified application was	made or authorized to be made I			
I believe that I am the original inventor application.	or or an original joint inventor of a	ı claime	d invention in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri	false statement made in this dec sonment of not more than five (5)	laration) years,	is punishable or both.	
In consideration of the payment by	UNITED MICROELECTRON CORP.	IICS	having a postal a	ddress of
No.3, Li-Hsin Road 2, Science	-Based Industrial Park, Hsi	n-Chu	City 300, Taiwa	ın, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	I of the sum of One Dollar (\$ 1.0 d valuable consideration.	0), the r	eceipt of which is I	nereby
In consideration of the payment by	Fujian Jinhua Integrated C Co., Ltd.	ircuit	having a postal ad	ddress of
No.88, Lianhua Avenue, Integr Fujian Province 362200, P.R.C	rated Circuit Science Park,	Jinjiar	ng City, Quanzh	ou City,
(referred to as "ASSIGNEE" below) to acknowledged, andfor other good and	I of the sum of One Dollar (\$ 1.0 d valuable consideration.	0), the r	eceipt of which is t	nereby
I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.				
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				

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Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use this form for <u>each additional</u> inventor.

LEGAL NAME OF INVENTOR(ASSIGNOR)							
Inventor:	Hsin-Yu Chiang		Date:	MAY 0 7 2018			
Signature:	9 HSIN-YU	CHLANG					

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NPO#NAU-P3267-USA:0 CUST#UMCF-2018-0002

F#NPO-P0002E-US1201 DSB0-107U006305

PATENT REEL: 045759 FRAME: 0041

RECORDED: 05/09/2018