504564318 09/26/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4611029

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chia-Chen Sun	09/22/2017
Yu-Cheng Tung	09/22/2017
Sheng-Yuan Hsueh	09/22/2017
Fan-Wei Lin	09/22/2017

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:	15715184

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: 5F., NO.389, FUHE RD., YONGHE DIST.,

Address Line 4: NEW TAIPEI CITY, TAIWAN

ATTORNEY DOCKET NUMBER:	NAUP3094USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	09/26/2017

Total Attachments: 8

source=2967106#page1.tif source=2967106#page2.tif source=2967106#page3.tif source=2967106#page4.tif

PATENT 504564318 REEL: 043686 FRAME: 0970



PATENT REEL: 043686 FRAME: 0971

Title of Invention:

ALIGNMENT MARK AND MEASUREMENT METHOD THEREOF

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or	r		
☐ United States application nu	umber	_filed on,	or
☐ PCT international applicatio	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 invent application.	or 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	ll false statement made in this de risonment of not more than five (5	claration is punishable i) years, or both.	
In consideration of the payment by	UNITED MICROELECTROI	NICS having a postal addre	ess 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, andfor other good ar	o I of the sum of One Dollar (\$ 1.0 nd valuable consideration.	00), the receipt of which is here	∍by
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 ition and, in and to, all Letters Pa r any continuations, continuation-	hich are disclosed in the tent to be obtained for said in-part, divisions, renewals	Έ
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbrar h this assignment;	nce has been or will be made o	or
I further covenant that ASSIGNEE w and 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 interfe	legal equivalents as may be erence, litigation proceeding	\$
representatives any and all papers, i maintain, issue and enforce said appequivalents thereof which may be no IN WITNESS WHEREOF, I have her	plication, said invention and said lecessary or desirable to carry out	Letters Patent and said	igning)
Note: An application data sheet (PTC inventive entity, must accompany thi	D/SB/14 or equivalent), including s form. Use this form for <u>each ad</u>	naming the entire ditional inventor.	

. Page 1 of 8

NPO#NAU-P3094-USA:0 CUST#UMCD-2017-0246

F#NPO-P0002E-US1201 DSB0-106U016552

Docket No NAUP3094USA

LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Chia-Chen Sun		Date:	SEP 2 2 2017	
Signature:	Chia - Chen	Sun			

Page 2 of 8

NPO#NAU-P3094-USA:0 CUST#UMCD-2017-0246 F#NPO-P0002E-US1201 DSB0-106U016552

Title of Invention:

ALIGNMENT MARK AND MEASUREMENT METHOD THEREOF

As the below named inventor, I here This declaration is directed to:	by declare that:	
☑ The attached application, or	r	
☐ United States application no	ımber	filed on , or
☐ PCT international application	n number	filed on
The above-identified application was	s made or authorized to be made b	by me.
I believe that I am the original invent application.	or or an original joint inventor of 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 decisionment of not more than five (5)	laration is punishable years, or both.
In consideration of the payment by	UNITED MICROELECTRON CORP.	ICS having a postal address of
No.3, Li-Hsin Road 2, Science	-Based Industrial Park, Hsir	 ∩-Chu City 300, Taiwan, R.O.C
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar	o I of the sum of One Dollar (\$ 1.00 ad valuable consideration.	0), 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 of substitutes, or extensions thereof, ar	nd to any and all improvements wh tion and, in and to, all Letters Pate any continuations, confinuation-in	nich are disclosed in the ent to be obtained for said
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbrand n this assignment;	ce has been or will be made or
I further covenant that ASSIGNEE wand documents relating to said invention known and accessible to I and will terelated thereto and will promptly executed.	ition and said Letters Patent and le stify as to the same in any interfer	egal equivalents as may be
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 Lecessary or desirable to carry out the	etters Patent and said
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including n s form. Use this form for <u>each addi</u>	aming the entire itional inventor.

Page 3 of 8

LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Yu-Cheng Tung	Date:	SEP	2 2 20	117
Signature:	(a-cher	Ting			

Page 4 of 8

Title of Invention:

ALIGNMENT MARK AND MEASUREMENT METHOD THEREOF

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or	•		
☐ United States application nu	ımber	filed on	, or
☐ PCT international application	n number	filed on	
The above-identified application was	made or authorized to be made	by me.	
I believe that I am the original invente application.	or or an original joint inventor of a	a claimed invention in t	he
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri	I false statement made in this de isonment of not more than five (5	claration is punishable b) years, or both.	
	UNITED MICROELECTROI CORP.	NICS having a post	tal address of
No.3, Li-Hsin Road 2, Science	-Based Industrial Park, Hs	in-Chu City 300, Ta	aiwan, R.O.C
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1.0 d valuable consideration.	00), the receipt of which	n is hereby
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, an	nd to any and all improvements w tion and, in and to, all Letters Par any continuations, continuation-	which are disclosed in the tent to be obtained for the displayment, divisions, renevations.	he said wals
I 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 ma	av he
representatives any and all papers, ir maintain, issue and enforce said app equivalents thereof which may be ned IN WITNESS WHEREOF, I have her	lication, said invention and said I cessary or desirable to carry out	Letters Patent and said the proposes thereof.	ate 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 <u>each ad</u>	naming the entire ditional inventor.	

Page 5 of 8

Docket No NAUP3094USA

LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Sheng-Yuan Hsueh	Date:	SEP 2 2 2017	
Signature:	Shang-Tuom	Hsuch		

Page 6 of 8

Title of Invention:

ALIGNMENT MARK AND MEASUREMENT METHOD THEREOF

As the below named inventor, I here This declaration is directed to:	eby declare that:		
☑ The attached application, o	r		
☐ United States application no	umber	filed on	, or
☐ PCT international application	on number	filed 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 joint inventor of	a claimed invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	al false statement made in this de risonment of not more than five (claration is punishable 5) years, or both.	
In consideration of the payment by	UNITED MICROELECTRO CORP.	NICS having a postal add	ress 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 are	o I of the sum of One Dollar (\$ 1. nd valuable consideration.	00), the receipt of which is her	reby
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 ition and, in and to, all Letters Pa r any continuations, continuation	vhich are disclosed in the tent to be obtained for said	EE
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbra h this assignment;	nce has been or will be made o	or
I further covenant that ASSIGNEE w and 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 interfe	legal equivalents as may be	ts
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	plication, said invention and said lecessary or desirable to carry out	etters Patent and said	signing)
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including s form. Use this form for <u>each ad</u>	naming the entire ditional inventor.	

Page 7 of 8

NPO#NAU-P3094-USA:0 CUST#UMCD-2017-0246

F#NPO-P0002E-US1201 DSB0-106U016552 LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Fan-

Fan-Wei Lin

Date:

SEP 2 2 2017

Signature:

Fan-Wei Lin

Page 8 of 8

F#NPO-P0002E-US1201 DSB0-106U016552

PATENT REEL: 043686 FRAME: 0979