505499327 05/30/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5546131

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chu-Ming Ma	05/24/2019
Hung-Chi Huang	05/24/2019
Hsien-Ta Chung	05/24/2019

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:	16425960

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

Address Line 1: 5F., NO.389, FUHE RD., YONGHE DIST.,

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

ATTORNEY DOCKET NUMBER:	NAUP3438USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	05/30/2019

Total Attachments: 6

source=3485474#page1.tif

source=3485474#page2.tif

source=3485474#page3.tif

source=3485474#page4.tif

source=3485474#page5.tif

505499327

PATENT REEL: 049312 FRAME: 0549 source=3485474#page6.tif

PATENT REEL: 049312 FRAME: 0550

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:

SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING 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	filed on, o	
☐ PCT international application	n number	file	d on	
The above-identified application was	s made or authorized to b	e made by me.		
I believe that I am the original invent application.	tor or an original joint inve	entor of a claime	d invention in t	the
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	Il false statement made in isonment of not more tha	this declaration n five (5) years,	n is punishable or both.	
In consideration of the payment by	UNITED MICROELE CORP.	CTRONICS	having a pos	tal address of
No.3, Li-Hsin Road 2, Science	e-Based Industrial Pa	ırk, Hsin-Chu	City 300, Ta	aiwan, R.O.C
(referred to as "ASSIGNEE" below) to acknowledged, andfor other good ar	o I of the sum of One Doll nd valuable consideration	lar (\$ 1.00), the	receipt of whic	h 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 improve ition and, in and to, all Le r any continuations, conti	ments which are tters Patent to b nuation-in-part.	e disclosed in to e obtained for divisions, rene	he said wals.
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, i maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	olication, said invention arecessary or desirable to c	nd said Letters F arry out the prop	Patent and said	i
Note: An application data sheet (PTC inventive entity, must accompany thi	O/SB/14 or equivalent), in is form. Use this form for	cluding naming each additional	the entire inventor.	

Page 1 of 6

NPO#NAU-P3438-USA:0 CUST#UMCD-2018-0662

Docket No NAUP3438USA

LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Chu-Ming Ma	Date:	MAY 2 4 2019	
Signature:	Chu-Ming Ma			

Page 2 of 6

NPO#NAU-P3438-USA:0 CUST#UMCD-2018-0662

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:

SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING THE SAME

As the below named inventor, I here This declaration is directed to:	by declare that:			
☑ The attached application, or				
☐ United States application number		file	filed on , or	
☐ PCT international application	n number		filed on	The first of the second
The above-identified application was	made or authorized	to be made by m	ie.	
I believe that I am the original invente application.	or or an original joint	inventor of a clai	med invention in th	ne
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri	I false statement mad isonment of not more	de in this declarate than five (5) yea	tion is punishable irs, or both.	
	UNITED MICROE	ELECTRONICS	having a posta	al address of
No.3, Li-Hsin Road 2, Science	-Based Industria	l Park, Hsin-C	hu City 300, Ta	iwan, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	ol of the sum of One d valuable considera	Dollar (\$ 1.00), ti ition.	he receipt of which	is hereby
I hereby sell, assign and transfer to A the entire right, title and interest in an invention as above-identified application or substitutes, or extensions thereof, an	nd to any and all impi tion and, in and to, al any continuations, c	rovements which Il Letters Patent to continuation-in-pa	are disclosed in the obe obtained for sort, divisions, renew	e aid vals
I hereby covenant that no assignmen entered into which would conflict with	it, sale, agreement o i this assignment;	r encumbrance h	as been or will be i	made or
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, ir maintain, issue and enforce said app equivalents thereof which may be need IN WITNESS WHEREOF, I have here	lication, said inventic cessary or desirable	n and said Letter to carry out the p	rs Patent and said proposes thereof.	
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

NPO#NAU-P3438-USA:0 CUST#UMCD-2018-0662

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Hung-Chi Huang

Date:

MAY 2 4 2019

Signature:

Hung-Chi Huang

Page 4 of

NPO#NAU-P3438-USA:0 CUST#UMCD-2018-0662

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:

SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING THE SAME

As the below named inventor, I here	by declare that:			
This declaration is directed to:	•			
☑ The attached application, or				
☐ United States application nu	mber	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 invent application.	or or an original joint inver	ntor of a claimed in	vention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement made in isonment of not more than	this declaration is n five (5) years, or	punishable both.	
In consideration of the payment by	UNITED MICROELEC	CTRONICS h	aving a postal address	of
No.3, Li-Hsin Road 2, Science	-Based Industrial Par	rk, Hsin-Chu C	ity 300, Taiwan, R.C).C
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dolland valuable consideration.	ar (\$ 1.00), the rec	eipt of which is hereby	
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 improven tion and, in and to, all Lett rany continuations, contin	nents which are di ers Patent to be o uation-in-part. divi	sclosed in the btained for said sions, renewals	
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or enc n this assignment;	umbrance has bee	en 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 Pate stify as to the same in any	nt and legal equiv	alents 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	olication, said invention and cessary or desirable to ca	d said Letters Pate	ent and said es thereof	
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 5 of 6

NPO#NAU-P3438-USA:0 CUST#UMCD-2018-0662

Docket No NAUP3438USA

LEGAL NA	ME OF INVENTOR(ASSIGNOR)		
Inventor:	Hsien-Ta Chung	Date:	MAY 2 4 2019
Signature:	Hsien-Ta Chung	3.33.	

Page 6 of 6

F#NPO-P0002E-US1201 DSB0-108U005940

NPO#NAU-P3438-USA:0 CUST#UMCD-2018-0662

RECORDED: 05/30/2019

PATENT REEL: 049312 FRAME: 0556