PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4866978

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Feng-Yi Chang	03/14/2018
Fu-Che Lee	03/14/2018
Yi-Wang Zhan	03/14/2018
Chieh-Te Chen	03/14/2018

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:	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:	15856084

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:	NAUP2900USA
NAME OF SUBMITTER:	KATE YEH
SIGNATURE:	/KATE YEH/
DATE SIGNED:	03/15/2018

PATENT 504820243 REEL: 045215 FRAME: 0622

Total Attachments: 8	
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PATENT REEL: 045215 FRAME: 0623

Title of Invention: CAPACITOR STRUCTURE AND FABRICATION METHOD THEREOF

As the below named inventor, I here This declaration is directed to:	by decl	are that:			
☐ The attached application, or					
☑ United States application nu	mber	15/856,084	filed on	12/28/2017	, or
□ PCT international application	numl	oer	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 ar	n original joint inve	ntor of a claimed i	nvention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	l false s isonme	statement made in nt of not more than	this declaration is 1 five (5) years, or	punishable both.	
In consideration of the payment by	UNIT		CTRONICS	naving a postal a	address of
No.3, Li-Hsin Road 2, Science	-Base	ed Industrial Pa	rk, Hsin-Chu C	ity 300, Taiw	an, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of th id valua	e sum of One Doll able consideration.	ar (\$ 1.00), the red	ceipt of which is	hereby
In consideration of the payment by	Fujia Co., I		ated Circuit h	naving a postal a	address of
No.88, Lianhua Avenue, Integ Fujian Province 362200, P.R.0	rated	Circuit Science	Park, Jinjiang	ı City, Quanz	hou City,
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an				ceipt 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 ar tion an r any co	ny and all improver d, in and to, all Let ontinuations, contir	ments which are d ters Patent to be d nuation-in-part, div	lisclosed in the obtained for said visions, renewals	j 5,
l hereby covenant that no assignmer entered into which would conflict witl	nt, sale n this a	, agreement or end ssignment;	cumbrance has be	en or will be ma	de 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					

Page 1 of 8

NPO#NAU-P2900-USA:0 CUST#UMCF-2016-0069

maintain, is equivalents	ssue and enforce said application, said inverses thereof which may be necessary or desiral SS WHEREOF, I have hereunto set hand an	ntion and sai	id Letters Patent and s out the proposes thereo			
Note: An ap inventive e	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(ASSIGNOR)					
Inventor:	Feng-Yi Chang	Date:	MAR 1 4 2018			
Signature:	Feng-Yi, Chang					

Page 2 of 8

NPO#NAU-P2900-USA:0 CUST#UMCF-2016-0069

Title of Invention: CAPACITOR STRUCTURE AND FABRICATION METHOD THEREOF

As the below named inventor, I here! This declaration is directed to:	by decla	are that:				
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United States application number	mber	15/856,084	filed	on <u>12</u>	/28/2017	_, or
☐ PCT international application	numb	per	fi	ed on		
The above-identified application was	made	or authorized to b	e made by me			
I believe that I am the original invente application.	or or an	ı original joint inve	entor of a claim	ied inve	ntion in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri						
In consideration of the payment by	UNITI	ED MICROELE P.	CTRONICS	havir 	ng a postal a	ddress of
No.3, Li-Hsin Road 2, Science	-Base	d Industrial Pa	ark, Hsin-Ch	u City	300, Taiwa	an, R.O.C.
(referred to as "ASSIGNEE" below) to acknowledged, and for other good an	l of the	e sum of One Dol able consideration	llar (\$ 1.00), the 1.	e receip	t of which is I	hereby
In consideration of the payment by	Fujiaı Co., L	n Jinhua Integ ₋td.	rated Circui	t havir	ng a postal a	ddress of
No.88, Lianhua Avenue, Integ Fujian Province 362200, P.R.C		Circuit Scienc	e Park, Jinji	ang Ci	ty, Quanzh	nou City,
(referred to as "ASSIGNEE"below) to acknowledged, and for other good an				e receip	t of which is I	hereby
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, ar	nd to ar tion and any co	ny and all improve d, in and to, all Le ontinuations, cont	ements which a etters Patent to inuation-in-part	ire disclo be obta i, divisio	osed in the lined for said ns, renewals	·,
I hereby covenant that no assignmer entered into which would conflict with			cumbrance ha	s been (or will be mad	de 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						

Page 3 of 8

NPO#NAU-P2900-USA:0 CUST#UMCF-2016-0069

representatives any and all papers, instrum maintain, issue and enforce said applicatio equivalents thereof which may be necessa IN WITNESS WHEREOF, I have hereunto	n, said invention and said ry or desirable to carry ou	Letters Patent and	said of.			
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 NAME OF INVENTOR(ASSIGNOR	₹)					
Inventor: Fu-Che Lee	Date:	MAR 1 4 2	018			
signature: Fu-Che Lee						

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NPO#NAU-P2900-USA:0 CUST#UMCF-2016-0069

Title of Invention:

CAPACITOR STRUCTURE AND FABRICATION METHOD THEREOF

As the below named inventor, I hereb This declaration is directed to:	y declare that:			
☐ The attached application, or				
☑ United States application nun	nber <u>15/856,08</u>	34 filed	on 12/28/2017	, or
☐ PCT international application	number	file	ed on	
The above-identified application was	made or authorize	d to be made by me.		
I believe that I am the original invento application.	r or an original join	it inventor of a claime	ed invention in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impris	false statement ma conment of not mo	ade in this declaration re than five (5) years	n is punishable , or both.	
	UNITED MICRO	ELECTRONICS	having a postal add	dress of
No.3, Li-Hsin Road 2, Science-	Based Industri	al Park, Hsin-Chu	u City 300, Taiwar	n, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good and	l of the sum of On I valuable conside	e Dollar (\$ 1.00), the ration.	receipt of which is he	ereby
	Fujian Jinhua lı Co., Ltd.	ntegrated Circuit	having a postal add	dress of
No.88, Lianhua Avenue, Integr Fujian Province 362200, P.R.C		ience Park, Jinjia	ang City, Quanzho	ou City,
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good and			receipt of which is he	ereby
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, and	d to any and all im ion and, in and to, any continuations,	provements which ar all Letters Patent to b continuation-in-part,	re disclosed in the be obtained for said divisions, renewals,	
I hereby covenant that no assignment entered into which would conflict with		or encumbrance has	been or will be made	e or
I further covenant that ASSIGNEE will and documents relating to said invent known and accessible to I and will tes related thereto and will promptly exec	ion and said Letter stify as to the same	rs Patent and legal e in any interference,	quivalents as may be litigation proceeding	

Page 5 of 8

NPO#NAU-P2900-USA:0 CUST#UMCF-2016-0069

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:	Yi-Wang Zhan	Date:	MAR 1 4 2018
Signature:	Yi-Wang Zhan		

Page 6 of 8

Title of Invention: CAPACITOR STRUCTURE AND FABRICATION METHOD THEREOF

As the below named inventor, I hereby declaration is directed to:	are that:								
☐ The attached application, or									
☑ United States application number	15/856,084	filed or	12/28/2017	, or					
☐ PCT international application numb	per	filec	l on						
The above-identified application was 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 UNITI	ED MICROELECTRO P.	NICS	having a postal add	lress of					
No.3, Li-Hsin Road 2, Science-Based Industrial Park, Hsin-Chu City 300, Taiwan, R.O.C.									
(referred to as "ASSIGNEE"below) to I of the sum of One Dollar (\$ 1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.									
In consideration of the payment by Fujiar Co., L	n Jinhua Integrated (.td.	Circuit	having a postal add	lress of					
No.88, Lianhua Avenue, Integrated Circuit Science Park, Jinjiang City, Quanzhou City, Fujian Province 362200, P.R.C.									
(referred to as "ASSIGNEE"below) to I of the sum of One Dollar (\$ 1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.									
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, entered into which would conflict with this as		nce has b	een or will be made	or					
I further covenant that ASSIGNEE will, upon and documents relating to said invention and known and accessible to I and will testify as related thereto and will promptly execute an	d said Letters Patent and to the same in any interfe	l legal equ erence, lit	ivalents as may be igation proceeding	ets					

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maintain, is equivalents	tives any and all papers, issue and enforce said ap is thereof which may be no SS WHEREOF, I have he	plication, said invent acessary or desirable	ion and said e to carry ou	Letters Pate t the propose	nt and	, said
Note: An ap inventive e	oplication data sheet (PT ntity, must accompany th	O/SB/14 or equivale is form. Use this forr	nt), including n for <u>each a</u>	g naming the	entire	
LEGAL NA	ME OF INVENTOR(ASS	IGNOR)				
Inventor:	Chieh-Te Chen		Date:	MAR 1	4 201	8
Signature:	Chieh-Te	Chen			Mt.//1884	

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NPO#NAU-P2900-USA:0 CUST#UMCF-2016-0069

RECORDED: 03/15/2018

F#NPO-P0002E-US1201 DSB0-106U036425

PATENT REEL: 045215 FRAME: 0631