#### 504379064 05/23/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4425759

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
BIN TANG	05/02/2017
Jubao Zhang	05/02/2017
XIAOFEI HAN	05/02/2017
CHAO JIANG	05/02/2017
Hong Liao	05/02/2017

### 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:	15602114		

### **CORRESPONDENCE DATA**

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

ATTORNEY DOCKET NUMBER:	NAUP3032USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	05/23/2017

**Total Attachments: 10** source=2862836#page1.tif source=2862836#page2.tif source=2862836#page3.tif

> **PATENT** REEL: 042462 FRAME: 0086 504379064

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PATENT REEL: 042462 FRAME: 0087

### Title of Invention: METHOD OF FABRICATING FLOATING GATES

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 o	on	, or
☐ PCT international application	n number	file	d on	
The above-identified application was	s made or authorized	I to be made by me.		
I believe that I am the original invent application.	or or an original join	t inventor of a claime	d invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr				
In consideration of the payment by	UNITED MICRO CORP.	ELECTRONICS	having a postal add	dress of
No.3, Li-Hsin Road 2, Science	e-Based Industria	al Park, Hsin-Chu	City 300, Taiwar	n, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar			receipt of which is he	ereby
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, an	nd to any and all imp ition and, in and to, a r any continuations,	provements which are all Letters Patent to b continuation-in-part,	e disclosed in the e 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 wand documents relating to said inverknown and accessible to I and will to related thereto and will promptly exe	ntion and said Letter estify as to the same	s Patent and legal ed in any interference,	uivalents as may be litigation proceeding	
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be no IN WINTNESS WHEREOF, I have h	olication, said invent ecessary or desirable	ion and said Letters I to carry out the pro	Patent and said poses thereof.	of signing)
Note: An application data sheet (PTG inventive entity, must accompany this				

Page 1 of 10

NPO#NAU-P3032-USA:0 CUST#UMCD-2017-0097

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: BIN TANG

Date: 2/05/201

Signature: BIN TANG

## Title of Invention: METHOD OF FABRICATING FLOATING GATES

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	on	, or
☐ PCT international application	n number	fi	led on	
The above-identified application was	made or authorized	I to be made by me		
I believe that I am the original invent application.	or or an original join	t inventor of a claim	ned invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr				
In consideration of the payment by	UNITED MICRO CORP.	ELECTRONICS	having a postal ac	dress of
No.3, Li-Hsin Road 2, Science	e-Based Industri	al Park, Hsin-Ch	u City 300, Taiwa	n, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar			e receipt of which is h	ıereby
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, an	nd to any and all imp ition and, in and to, a r any continuations,	provements which a all Letters Patent to continuation-in-part	are disclosed in the be obtained for said t, divisions, renewals,	
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement of this assignment;	or encumbrance ha	s been or will be mad	le 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 Letter estify as to the same	s Patent and legal of in any interference	equivalents as may be , litigation proceeding	е
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be no IN WINTNESS WHEREOF, I have h	olication, said invent ecessary or desirable	ion and said Letters e to carry out the pr	s Patent and said roposes thereof.	e of signing)
Note: An application data sheet (PTG inventive entity, must accompany this				

Page 3 of 10

NPO#NAU-P3032-USA:0 CUST#UMCD-2017-0097

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Jubao Zhang Date:

02/05/2017

Signature: Juha: Zhang

Page 4 of 10

## **Title of Invention: METHOD OF FABRICATING FLOATING GATES**

As the below named inventor, I hereby This declaration is directed to:	declare that:			
☑ The attached application, or				
☐ United States application num	ber	filed	on	, or
☐ PCT international application in	number		ed on	
The above-identified application was n	nade or authorized to b	e made by me		
I believe that I am the original inventor application.	or an original joint inve	entor of a claim	ed invention i	n the
I hereby acknowledge that any willful f under18 U.S.C. 1001 by fine or impriso	alse statement made ir onment of not more tha	n this declaration an five (5) years	on is punishab s, or both.	ole
In consideration of the payment by	INITED MICROELE CORP.	CTRONICS	having a p	ostal address of
No.3, Li-Hsin Road 2, Science-I	Based Industrial Pa	ark, Hsin-Ch	u City 300,	Taiwan, R.O.C.
(referred to as "ASSIGNEE"below) to I acknowledged, andfor other good and			e receipt of wh	nich is hereby
I hereby sell, assign and transfer to AS the entire right, title and interest in and invention as above-identified applicatio invention by the above application or a substitutes, or extensions thereof, and	to any and all improve on and, in and to, all Le iny continuations, conti	ements which a etters Patent to nuation-in-part	re disclosed i be obtained f , divisions, re	n the or said newals.
I hereby covenant that no assignment, entered into which would conflict with t	sale, agreement or en his assignment;	cumbrance has	s been or will	be made or
I further covenant that ASSIGNEE will, and documents relating to said invention known and accessible to I and will test related thereto and will promptly execu	on and said Letters Pal ify as to the same in ar	tent and legal e ny interference.	equivalents as litigation pro	may be
representatives any and all papers, ins maintain, issue and enforce said applic equivalents thereof which may be nece IN WINTNESS WHEREOF, I have her	cation, said invention a essary or desirable to d	nd said Letters carry out the pro	Patent and s	aid of. (Date of signing)
Note: An application data sheet (PTO/sinventive entity, must accompany this				

Page 5 of 10

LEGAL NA	ME OF INVENTOR(ASSIGNOR)		
Inventor:	XIAOFEI HAN	Date:	02/05/2017
Signature:	XIAOFEL HAW		,

## Title of Invention: METHOD OF FABRICATING FLOATING GATES

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☑ The attached application, or				
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☐ PCT international application	n number	f	iled on	
The above-identified application was	made or authorized	to be made by me	<del></del>	<del></del>
I believe that I am the original invent application.	or or an original joint	inventor of a clain	ned invention in the	;
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement mad isonment of not more	de in this declarati e than five (5) year	on is punishable rs, or both.	
In consideration of the payment by	UNITED MICROE	ELECTRONICS	having a postal	address of
No.3, Li-Hsin Road 2, Science	-Based Industria	l Park, Hsin-Ch	 ոս City 300, Taiv	wan, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar	o I of the sum of One ad valuable considera	Dollar (\$ 1.00), th	e receipt of which is	s hereby
I hereby sell, assign and transfer to a the entire right, title and interest in an invention as above-identified applical invention by the above application of substitutes, or extensions thereof, an	nd to any and all impi tion and, in and to, al any continuations, c	rovements which a Il Letters Patent to continuation-in-par	are disclosed in the be obtained for sa t, divisions, renewa	id als.
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement on this assignment;	r encumbrance ha	ıs been or will be m	iade 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	ition and said Letters stify as to the same i	Patent and legal n any interference	equivalents as may	be
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have he	lication, said invention cessary or desirable	on and said Letters to carry out the pr	s Patent and said oposes thereof.	ate of signing)
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalen s form. Use this form	t), including namir for <u>each addi</u> tiona	ng the entire	

Page 7 of 10

NPO#NAU-P3032-USA:0 CUST#UMCD-2017-0097

Inventor: CHAO JIANG Date: 02/05/>6/7

## Title of Invention: METHOD OF FABRICATING FLOATING GATES

As the below named inventor, I here This declaration is directed to:	by declare that:				
☑ The attached application, or					
☐ United States application number			filed on ,		
☐ PCT international application	f	iled on			
The above-identified application was	s made or authorized to b	e made by me	э.		
I believe that I am the original invent application.	or or an original joint inve	entor of a clair	ned invention in	n the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement made ir isonment of not more tha	ı this declarati n five (5) year	on is punishab s, or both.	le	
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No.3, Li-Hsin Road 2, Science	-Based Industrial Pa	ırk, Hsin-Cl	nu 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 Dol nd valuable consideration	lar (\$ 1.00), th	e receipt of wh	ich 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 or substitutes, or extensions thereof, ar	nd to any and all improve tion and, in and to, all Le r any continuations, conti	ments which a tters Patent to nuation-in-par	are disclosed ir be obtained fo t. divisions, ren	n the or said newals.	
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or en n this assignment;	cumbrance ha	as been or will b	oe made 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 Pat estify as to the same in ar	ent and legal v interference	equivalents as	mav be	
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have he	olication, said invention a ecessary or desirable to c	nd said Letters arry out the pi	s Patent and sa	nid f. _(Date of signing) _	
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), in	cluding namir	ng the entire		

Page 9 of 10

NPO#NAU-P3032-USA:0 CUST#UMCD-2017-0097

### Docket No NAUP3032USA

Inventor: Hong Liao Date: 2/05/24/1

Signature: Hong Lino

Page 10 of 10

NPO#NAU-P3032-USA:0 CUST#UMCD-2017-0097

RECORDED: 05/23/2017

F#NPO-P0002E-US1201 DSB0-106U009534

PATENT REEL: 042462 FRAME: 0097