### 504052196 10/17/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4098860

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Ming-Shiou Hsieh	10/11/2016
Chun-Yao Yang	10/11/2016
Shi-You Liu	10/11/2016
Rong-Sin Lin	10/11/2016
Han-Ting Yen	10/11/2016
Neng-Hui Yang	10/11/2016
Tsai-Yu Wen	10/11/2016
Ching-I Li	10/11/2016

#### **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:	15294792

### **CORRESPONDENCE DATA**

**Fax Number:** (703)997-4517

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Correspondent Name: WINSTON HSU Address Line 1: P.O.BOX 506

Address Line 4: MERRIFIELD, VIRGINIA 22116

ATTORNEY DOCKET NUMBER:	NAUP2853USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	10/17/2016

otal Attachments: 16
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## Title of Invention: METHOD FOR MANUFACTURING FINS

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	number	filed o	on .
The above-identified application was	made or authorized to b	e made by me.	
I believe that I am the original invent application.	or or an original joint inve	entor 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 tha	n this declaration is p nn five (5) years, or b	ounishable ooth.
In consideration of the payment by	UNITED MICROELE CORP.	CTRONICS ha	aving a postal address of
No.3, Li-Hsin Road 2, Science	-Based Industrial Pa	ark, Hsin-Chu Cit	ly 300, Taiwan, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	I of the sum of One Dol	lar (\$ 1.00), the rece	
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	nd to any and all improve tion and, in and to, all Le any continuations, conti	ments which are dis tters Patent to be ob nuation-in-part divis	sclosed in the otained for said
I hereby covenant that no assignment entered into which would conflict with	it, sale, agreement or en i this assignment;	cumbrance has bee	n 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 Pat stify as to the same in an	ent and legal equivant interference litiga	alents as may be
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be no IN WINTNESS WHEREOF, I have he	lication, said invention ar cessary or desirable to c	nd said Letters Pater arry out the propose	nt and said es thereof.
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), in s form. Use this form for	cluding naming the each additional inve	entire ntor.

Page 1 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Ming-Shiou Hsieh	Date:	OCT 1 1 2016		
Signature:	Ming - Shiou d	Asieh			

Page 2 of 16

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No.3, Li-Hsin Road 2, Science	-Based Industrial Park, H	sin-Chu City 3	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 ad valuable consideration.	.00), the 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 applica invention by the above application or substitutes, or extensions thereof, ar	nd to any and all improvements tion and, in and to, all Letters Par any continuations, continuation	which are disclo: atent to be obtain i-in-part, division	sed in the ned for said is, renewals
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbra n this assignment;	ince has been or	r 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 exe-	ition and said Letters Patent and stify as to the same in any interf	l legal equivalen erence, litigation	ts as may be
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be no IN WINTNESS WHEREOF, I have he	dication, said invention and said cessary or desirable to carry ou	Letters Patent a	and said nereof.
Note: An application data sheet (PTC	D/SB/14 or equivalent), including	naming the ent	ire

Page 3 of 16

inventive entity, must accompany this form. Use this form for each additional inventor.

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Chun-Yao Yang	Date:	OCT 1 1 2016	
Signature:	Chun-Yao Yang	•		

Page 4 of 16

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☐ PCT international application	n number	filed on	
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I believe that I am the original invent application.	tor or an original joint inventor of	a claimed invention in the	
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hereby sell, assign and transfer to a the entire right, title and interest in an nvention as above-identified applica nvention by the above application or substitutes, or extensions thereof, ar	nd to any and all improvements w ition and, in and to, all Letters Pa r any continuations, continuation-	which are disclosed in the tent to be obtained for said in part, divisions, renewals.	ΞE
hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbrar h this assignment;	nce has been or will be made	or
further covenant that ASSIGNEE wand documents relating to said invent 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	s
epresentatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne N WINTNESS WHEREOF, I have he	olication, said invention and said lecessary or desirable to carry out	Letters Patent and said the proposes thereof.	f signing)
Note: An application data sheet (PTC nventive 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 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

LEGAL NAI	ME OF INVENTOR (ASSIGNOR)		
Inventor:	Shi-You Liu	Date:	OCT 1 1 2016
Signature:	Shi-You	624	

Page 6 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

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l hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or n this assignment;	encumbrance h	as been or wi	ll be made or
I further covenant that ASSIGNEE wand documents relating to said invented the said invented and accessible to I and will terelated thereto and will promptly executed.	ition and said Letters stify as to the same i	Patent and legal any interferenc	l equivalents a e, litigation pr	is 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	lication, said invention cessary or desirable	n and said Lette to carry out the p	rs Patent and	said eof.
Note: An application data sheet (PTC				

Page 7 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Rong-Sin Lin	Date:	OCT 1 1 2016		
Signature:	Rong-Sin Lin				

Page 8 of 16

# Title of Invention: METHOD FOR MANUFACTURING FINS

As the below named inventor, I here This declaration is directed to:	eby declare that:		
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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	ition and said Letters Patent and stify as to the same in any interf	d legal equivalents as may ference, litigation proceed	v be
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have he	plication, said invention and said ecessary or desirable to carry ou	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 ac</u>	ı naming the entire	

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NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

F#NPO-P0002E-US1201 DSB0-105U024558

LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Han-Ting Yen	Date:	OCT 1 1 2016	
Signature:	Han-Ting, Yen			

Page 10 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

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representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have he	lication, said invention and said L cessary or desirable to carry out i	etters Patent and said the proposes thereof.	of signing)		
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Page 11 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

LEGAL NAI	LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Neng-Hui Yang		Date:	OCT 1 1 20°	16	
Signature:	Neng Line	Yang				
2						

Page 12 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

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Page 13 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

### Docket No NAUP2853USA

LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Tsai-Yu Wen	Date:	OCT 1 1 2016	
Signature:	Tsai -Yu Wen			

Page 14 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

### Title of Invention: METHOD FOR MANUFACTURING FINS

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representatives any and all papers, instruments or affidavit maintain, issue and enforce said application, said invention equivalents thereof which may be necessary or desirable to IN WINTNESS WHEREOF, I have hereunto set hand and	n and said Letters Patent o carry out the proposes	t and said thereof.
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Page 15 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

### Docket No NAUP2853USA

LEGAL NAI	LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Ching-I Li	Date:	OCT 1 1 2016		
Signature:	Ching I di				

Page 16 of 16

NPO#NAU-P2853-USA:0 CUST#UMCD-2016-0472

**RECORDED: 10/17/2016** 

F#NPO-P0002E-US1201 DSB0-105U024558