### 504097547 11/15/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

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EPAS ID: PAT4144216

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Yu-Ying Lin	11/05/2015
Chueh-Yang Liu	11/05/2015
Yu-Ren Wang	11/05/2015
Neng-Hui Yang	11/06/2015

#### **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:	15352528

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	NAUP2624USA1
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	11/15/2016

**Total Attachments: 8** 

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PATENT 504097547 REEL: 040331 FRAME: 0742



PATENT REEL: 040331 FRAME: 0743

## Title of Invention: SEMICONDUCTOR DEVICE WITH EPITAXIAL STRUCTURE AND MANUFACTURING 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	mber	filed on	, or
□ PCT international application numberfi		filed on	
The above-identified application was	s made or authorized to be made b	y me.	
I believe that I am the original invent application.	or or an original joint inventor of a	claimed invention in t	the
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement made in this declisonment of not more than five (5)	aration is punishable years, or both.	1
In consideration of the payment by	UNITED MICROELECTRON CORP.	ICS having a pos	stal address of
No.3, Li-Hsin Road 2, Science	-Based Industrial Park, Hsir	n-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 Dollar (\$ 1.00 and valuable consideration.	)), 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 improvements whation and, in and to, all Letters Pater any continuations, continuation-ir	nich are disclosed in t ent to be obtained for n-part, divisions, rene	the said wals.
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbrand n this assignment;	e has been or will be	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	ition and said Letters Patent and le stify as to the same in any interfer	egal equivalents as m ence, litigation proce	nav be
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have h	olication, said invention and said Le dessary or desirable to carry out the	etters Patent and said he proposes thereof.	d (Date of signing)
Note: An application data sheet (PTC inventive entity, must accompany thi	D/SB/14 or equivalent), including n s form. Use this form for each add	aming the entire itional inventor.	

Page 1 of 8

LEGAL NA	ME OF INVENTOR(ASSIGNOR)		
Inventor:	Yu-Ying Lin	Date:	2015/11/5
Signature:	Yu-Ying bin		

Page 2 of 8

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☐ PCT international application	n number	filed	on		
The above-identified application was	made or authorized to be n	nade by me.	***************************************	***************************************	<del></del>
I believe that I am the original inventor application.	or or an original joint invento	or of a claimed	invention in	the	
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	I of the sum of One Dollar ( d valuable consideration.	(\$ 1.00), the re	ceipt of whi	ch is here	by
I hereby sell, assign and transfer to A the entire right, title and interest in an invention as above-identified applicat invention by the above application or substitutes, or extensions thereof, an	id to any and all improvement ion and, in and to, all Letters any continuations, continua	nts which are on the second second to be the second second to be the second sec	lisclosed in obtained for visions, rene	the r said	Ξ
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representatives any and all papers, in maintain, issue and enforce said appl equivalents thereof which may be ned N WINTNESS WHEREOF, I have he	ication, said invention and s cessary or desirable to carry	aid Letters Par	tent and sai ses thereof.	d (Date of s	signing)
Note: An application data sheet (PTO nventive entity, must accompany this	/SB/14 or equivalent), includ form. Use this form for <u>eac</u> l	ding naming th h additional inv	e entire ventor.		

Page 3 of 8

NPO#NAU-P2624-USA:0 CUST#UMCD-2015-0561

LEGAL NAI	ME OF INVENTOR (ASSIGNOR	)			
Inventor:	Chueh-Yang Liu		Date:	2015/1/5	
Signature:	Chueh-Tang	Liu.			

Page 4 of 8

# Title of Invention: SEMICONDUCTOR DEVICE WITH EPITAXIAL STRUCTURE AND MANUFACTURING METHOD THEREOF

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The above-identified application was	s made or authorized	to be made by me	<del></del>	***************************************
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.				
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	I of the sum of One	Dollar (\$ 1,00), the		
I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified application or invention by the above application or substitutes, or extensions thereof, an	nd to any and all imp tion and, in and to, a any continuations, o	rovements which a Il Letters Patent to continuation-in-part	re disclosed in the be obtained for sa t divisions, renewa	e aid als
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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 cessary or desirable	on and said Letters to carry out the pro	Patent and said oposes thereof.	ate of signing)
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Page 5 of 8

NPO#NAU-P2624-USA:0 CUST#UMCD-2015-0561

	WE OF INVENTOR(ASSIGN	אכ) Date:	11/5	NOV	n E	2015
Inventor: - Signature:	Yu-Ren Wang Yu-Ren Wa	and the second s		NOV	0.5	
		/				

Page 6 of 8

# Title of Invention: SEMICONDUCTOR DEVICE WITH EPITAXIAL STRUCTURE AND MANUFACTURING METHOD THEREOF

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☐ United States application nu	ımber	filed on	, OI	r
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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 ition and, in and to, all Letters P r any continuations, continuation	which are discled Patent to be obtain-in-part division	losed in the ained for said	
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NPO#NAU-P2624-USA:0 CUST#UMCD-2015-0561

Docket No NAUP2624USA

Inventor: Neng-Hui Yang

Signature: Veng-True Tang

NPO#NAU-P2624-USA:0 CUST#UMCD-2015-0561

**RECORDED: 11/15/2016** 

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F#NPO-P0002E-US1201 DSC0-104U012414

PATENT REEL: 040331 FRAME: 0751