503719055 03/03/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT3765696

CONVEYING PARTY DATA

Name	Execution Date
ZHIBIAO ZHOU	02/24/2016
Shao-Hui Wu	02/24/2016
Chen-Bin Lin	02/24/2016
Ding-Lung Chen	02/24/2016
Chi-Fa Ku	02/24/2016

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:	15059311

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	NAUP2682USA
NAME OF SUBMITTER:	KATE YEH
SIGNATURE:	/KATE YEH/
DATE SIGNED:	03/03/2016

Total Attachments: 10 source=2498073#page1.tif source=2498073#page2.tif source=2498073#page3.tif

PATENT 503719055 REEL: 037875 FRAME: 0921

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PATENT REEL: 037875 FRAME: 0922

Title of Invention: OXIDE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING 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 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 inventor or an original joint inventor of a claimed invention in the application.						
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr						
In consideration of the payment by	UNITED MICROELECTRO	NICS having a postal add	dress of			
No.3, Li-Hsin Road 2, Science	e-Based Industrial Park, Hs	in-Chu City 300, Taiwar	ı, R.O.C.			
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an		00), the 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 applica invention by the above application or substitutes, or extensions thereof, ar	nd to any and all improvements wation and, in and to, all Letters Par r any continuations, continuation-	which are disclosed in the tent to be obtained for said in-part, divisions, renewals,	IEE			
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbra h this assignment;	nce 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	ntion and said Letters Patent and estify as to the same in any interfe	legal equivalents as may be erence, litigation proceeding	ots			
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be no IN WINTNESS WHEREOF, I have he	olication, said invention and said lecessary or desirable to carry out	Letters Patent and said the proposes thereof.	of signing)			
Note: An application data sheet (PTC inventive entity, must accompany thi	D/SB/14 or equivalent), including s form. Use this form for <u>each ad</u>	naming the entire				

Page 1 of 10

NPO#NAU-P2682-USA:0 CUST#UMCD-2015-0694 F#NPO-P0002E-US1201 DSB0-105U000178

LEGAL NA	ME OF INVENTOR	ASSIGNOR)		
Inventor:	ZHIBIAO ZHOU	J	Date:	24/2/2016
Signature:	ZHon	ZH(BIAO		

Page 2 of 10

Title of Invention:

OXIDE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING 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 on		, or
□ PCT international application number filed on				
The above-identified application was	s made or authorized to be made	by me.		
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No.3, Li-Hsin Road 2, Science	-Based Industrial Park, Hs	in-Chu C	ity 300, Taiwan	, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an		00), the rec	ceipt of which is he	reby
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, an	nd to any and all improvements wation and, in and to, all Letters Par any continuations, continuation-	vhich are d tent to be c in-part, div	isclosed in the obtained for said isions, renewals,	EE
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbra n this assignment;	nce has be	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 exe	ntion and said Letters Patent and estify as to the same in any interfe	legal equiverence, litig	alents as may be	ts
representatives any and all papers, in maintain, issue and enforce said appequivalents thereof which may be no IN WINTNESS WHEREOF, I have he	olication, said invention and said lecessary or desirable to carry out	Letters Pat	ent and said ses thereof.	of signing)
Note: An application data sheet (PTC inventive entity, must accompany this				

Page 3 of 10

NPO#NAU-P2682-USA:0 CUST#UMCD-2015-0694 F#NPO-P0002E-US1201 DSB0-105U000178

LEGAL NA	ME OF INVENTOR(AS	SIGNOR)			
Inventor:	Shao-Hui Wu		Date:	24/2/2016	
Signature:	has hui	Wu			

Page 4 of 10

Title of Invention:

OXIDE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

As the below named inventor, I here This declaration is directed to:	by declare that:					
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☐ PCT international application	n number	fil	led on			
The above-identified application was	s 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 willfu under18 U.S.C. 1001 by fine or impr	l false statement made isonment of not more t	in this declaration han five (5) years	on is punishable s, or both.			
In consideration of the payment by UNITED MICROELECTRONICS having a postal address of CORP.						
No.3, Li-Hsin Road 2, Science	-Based Industrial	Park, Hsin-Ch	u City 300, Taiwan	, R.O.C.		
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One D nd valuable considerati	ollar (\$ 1.00), the on.	e receipt of which is he	reby		
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 impro tion and, in and to, all l any continuations, co	vements which a Letters Patent to ntinuation-in-part	re disclosed in the be obtained for said , divisions, renewals,	EE		
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or on this assignment;	encumbrance has	s been 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 F stify as to the same in	atent and legal e any interference,	equivalents as may be litigation proceeding	ts		
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be no IN WINTNESS WHEREOF, I have he	olication, said invention ecessary or desirable to	and said Letters carry out the pro	Patent and said oposes thereof.	of signing)		
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), s form. Use this form fo	including naming or each additiona	g the entire I inventor.			

Page 5 of 10

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Chen-Bin Lin

Date:

Signature:

Page

F#NPO-P0002E-US1201

PATENT REEL: 037875 FRAME: 0928

NPO#NAU-P2682-USA:0

Title of Invention: OXIDE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING 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	filed	on	, or	
☐ PCT international application	n number	file	ed 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 ir	ventor of a claime	d invention in	n the
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	ll false statement made isonment of not more t	in this declaration han five (5) years,	ı is punishabl or both.	le
In consideration of the payment by	UNITED MICROEI CORP.	ECTRONICS	having a po	ostal address of
No.3, Li-Hsin Road 2, Science	e-Based Industrial	Park, Hsin-Chu	 City 300,	Taiwan, R.O.C
(referred to as "ASSIGNEE" below) to acknowledged, andfor other good are			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 of substitutes, or extensions thereof, and	nd to any and all impro ition and, in and to, all r any continuations, co	vements which are Letters Patent to b ntinuation-in-part,	e disclosed in e obtained fo divisions, ren	i the or said newals.
I hereby covenant that no assignmentered into which would conflict with	nt, sale, agreement or this assignment;	encumbrance has	been or will b	e made 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 Letters F estify as to the same in	Patent and legal eq any interference, I	uivalents as litigation proc	may be
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 invention ecessary or desirable to	and said Letters F carry out the pro	Patent and sa	nid f. _(Date of signing)
Note: An application data sheet (PTC inventive entity, must accompany thi	D/SB/14 or equivalent) s form. Use this form f	including naming or each additional	the entire	

Page 7 of 10

NPO#NAU-P2682-USA:0 CUST#UMCD-2015-0694 F#NPO-P0002E-US1201 DSB0-105U000178

LEGAL NAI	ME OF INVENTOR(ASSIGNOR)			
Inventor:	Ding-Lung Chen	Date:	02/24/2016	
Signature:	Chen Day Lux.			

Page 8 of 10

Title of Invention:

OXIDE SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

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	number	filed on	
The above-identified application was n	nade or authorized to be made	e by me.	
l believe that I am the original inventor application.	or an original joint inventor of	a claimed invention in	n the
l hereby acknowledge that any willful f under18 U.S.C. 1001 by fine or imprise	alse statement made in this de onment of not more than five (eclaration is punishab 5) years, or both.	le
	INITED MICROELECTRO	NICS having a po	ostal address of
No.3, Li-Hsin Road 2, Science-I	3ased Industrial Park, Hs	sin-Chu City 300,	Taiwan, R.O.C.
(referred to as "ASSIGNEE"below) to I acknowledged, andfor other good and	of the sum of One Dollar (\$ 1 valuable consideration.	.00), the receipt of wh	ich 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 improvements on and, in and to, all Letters Painy continuations, continuation	which are disclosed in tent to be obtained for -in-part, divisions, ren	n the or said newals.
I hereby covenant that no assignment, entered into which would conflict with t	sale, agreement or encumbra his assignment;	nce has been or will t	oe 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 Patent and ify as to the same in any interf	l legal equivalents as erence, litigation proc	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 and said essary or desirable to carry ou	Letters Patent and sa	aid f. _(Date of signing)
Note: An application data sheet (PTO/s			

Page 9 of 10

LEGAL NAM	ME OF INVENTOR	•	, x
Inventor:	Chi-Fa Ku	Date:	02/24/2016
Signature:	Chifak		

NPO#NAU-P2682-USA:0 CUST#UMCD-2015-0694

RECORDED: 03/03/2016

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F#NPO-P0002E-US1201 DSB0-105U000178

PATENT REEL: 037875 FRAME: 0932