PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ssu-I Fu	06/03/2013
Cheng-Guo Chen	06/03/2013
Yu-Hsiang Hung	06/03/2013
Chung-Fu Chang	06/03/2013
Chien-Ting Lin	06/03/2013

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:	13912218

CORRESPONDENCE DATA

Fax Number: 7039974517

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

Address Line 4: Merrifield, VIRGINIA 22116

ATTORNEY DOCKET NUMBER:	NAUP1648USA
NAME OF SUBMITTER:	KATE YEH
Signature:	/KATE YEH/
	PATENT

REEL: 030563 FRAME: 0806

H \$40,00 1391221

Date:	06/07/2013
Total Attachments: 10	
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PATENT REEL: 030563 FRAME: 0807

Title of Invention: SEMICONDUCTOR PROCESS

As the below named inventor, I here This declaration is directed to:	eby declare that:		
☑ The attached application, o	r		
☐ United States application n	umber	_filed on	, or
☐ PCT international application	on number	filed on	
The above-identified application wa	s made or authorized to be made	by me.	
I believe that I am the original invenapplication.	tor or an original joint inventor of	a claimed invention in the	
I hereby acknowledge that any willfunder18 U.S.C. 1001 by fine or imp	ul false statement made in this de risonment of not more than five (£	claration is punishable i) years, or both.	
In consideration of the payment by	UNITED MICROELECTRO CORP.	NICS having a postal add	ress of
No.3, Li-Hsin Road 2, Science	e-Based Industrial Park, Hs	in-Chu City 300, Taiwan	, R.O.C.
(referred to as "ASSIGNEE"below) acknowledged, andfor other good a	to I of the sum of One Dollar (\$ 1. nd valuable consideration.	00), the receipt of which is he	reby
I hereby sell, assign and transfer to the entire right, title and interest in a invention as above-identified applica- invention by the above application of substitutes, or extensions thereof, a	and to any and all improvements wation and, in and to, all Letters Pa or any continuations, continuations	which are disclosed in the tent to be obtained for said in-part, divisions, renewals,	EE
I hereby covenant that no assignme entered into which would conflict with	ent, sale, agreement or encumbra th this assignment;	nce has been or will be made	or
I further covenant that ASSIGNEE vand documents relating to said inveknown and accessible to I and will trelated 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	:ts
representatives any and all papers, maintain, issue and enforce said ap equivalents thereof which may be n IN WINTNESS WHEREOF, I have t	plication, said invention and said ecessary or desirable to carry out	Letters Patent and said the proposes thereof.	of signing)
Note: An application data sheet (PT inventive entity, must accompany the			

Page 1 of 10

NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513

LEGAL NAME OF INVENTOR(ASSIGNOR)				
Inventor:	Ssu-I Fu	·	Date:	JUN 0 3 2013
Signature:	<u> </u>	Fu		

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NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513 F#NPO-P0002E-US1201 DSC0-102U002984

PATENT REEL: 030563 FRAME: 0809

Title	of Inv	ention:	
SEM	ICON	DUCTOR	PROCESS

As the below named inventor, I here This declaration is directed to:	eby declare that:		
☑ The attached application, or	r		
☐ United States application no	umber	filed on	, or
☐ PCT international applicatio	n number	filed on	
The above-identified application was	s made or authorized to be made	by me.	
I believe that I am the original invent application.	tor or an original joint inventor of	a claimed invention in the	
l hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	ll false statement made in this de risonment of not more than five (5	claration is punishable 5) years, or both.	
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	, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar	o I of the sum of One Dollar (\$ 1. nd valuable consideration.	00), the 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, ar	nd to any and all improvements v ation 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.	NEE
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbrar h this assignment;	nce has been or will be made	e or
I further covenant that ASSIGNEE wand 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	cts
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 ecessary or desirable to carry out	Letters Patent and said the proposes thereof.	of signing)
Note: An application data sheet (PT0 inventive entity, must accompany thi	O/SB/14 or equivalent), including is form. Use this form for <u>each ad</u>	naming the entire Iditional inventor.	

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NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513

LEGAL NAME OF INVENTOR(ASSIGNOR) JUN 0 3 2013 Inventor: **Cheng-Guo Chen** Date:

NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513

Signature:

Page

F#NPO-P0002E-US1201 DSC0-102U002984

PATENT

REEL: 030563 FRAME: 0811

Title of Invention: SEMICONDUCTOR PROCESS

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or	r		
☐ United States application nu	umber	filed on	, or
☐ PCT international applicatio	n number	filed on	
The above-identified application was	s made or authorized to be made	le by me.	
I believe that I am the original invent application.	or or an original joint inventor c	of a claimed inve	ention in the
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement made in this o isonment of not more than five	leclaration is pu (5) years, or bo	ınishable ıth.
In consideration of the payment by	UNITED MICROELECTRO	ONICS havi	ing a postal address of
No.3, Li-Hsin Road 2, Science	e-Based Industrial Park, H	sin-Chu City	300, Taiwan, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar	o I of the sum of One Dollar (\$ and valuable consideration.	1.00), the receip	ot 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 any and all improvements tion and, in and to, all Letters F r any continuations, continuatio	which are disc Patent to be obta n-in-part, division	losed in the ained for said ons, renewals.
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbr n this assignment;	ance 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 an estify as to the same in any inte	id legal equivale rference, litigation	ents 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 h	olication, said invention and said	d Letters Patent	and said thereof.
Note: An application data sheet (PT0 inventive entity, must accompany thi	D/SB/14 or equivalent), includin s form. Use this form for each a	g naming the e	ntire tor.

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NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513

LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Yu-Hsiang Hung	Date:	JUN 0 3 2013		
Signature:	Yu-Hsiang Hung				

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NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513 F#NPO-P0002E-US1201 DSC0-102U002984

PATENT REEL: 030563 FRAME: 0813

Title of Invention: SEMICONDUCTOR PROCESS

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 applicatio	n number	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 an original joint inventor of a	a claimed	invention in	the
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement made in this decisonment of not more than five (5	claration i) years, c	s punishable r both.	•
In consideration of the payment by	UNITED MICROELECTRON CORP.	NICS	having a pos	stal address of
No.3, Li-Hsin Road 2, Science	-Based Industrial Park, Hsi	n-Chu (City 300, T	aiwan, R.O.C
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1.0 ad valuable consideration.	00), the re	eceipt of whic	ch is 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 any and all improvements w tion and, in and to, all Letters Pat any continuations, continuation-i	hich are ent to be n-part, di	disclosed in t obtained for visions. rene	the said wals.
I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbran n this assignment;	ce has b	een or will be	e 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 Patent and l stify as to the same in any interfe	legal equ rence, liti	ivalents as m	nav 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	lication, said invention and said L cessary or desirable to carry out	etters Pa	itent and said ses thereof.	d (Date of signing)
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including s s form. Use this form for <u>each ad</u> c	naming th ditional in	ne entire ventor.	

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NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513

LEGAL NAME OF INVENTOR(ASSIGNOR)
Inventor: Chung-Fu Chang Date:

Date: JUN 0 3 2013

Signature:

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NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513

F#NPO-P0002E-US1201 DSC0-102U002984

PATENT REEL: 030563 FRAME: 0815

Title of Invention: SEMICONDUCTOR PROCESS

As the below named inventor, I here This declaration is directed to:	by declare that:						
☑ The attached application, or							
☐ United States application nu	ımber	_filed o	n	, or			
☐ PCT international application 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 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	UNITED MICROELECTRON CORP.	NICS	having a pos	tal address 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.							
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, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;							
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							
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	etters Pa	atent and said oses thereof.	d (Date of signing)			
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.							

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NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Chien-Ting Lin

Date:

JUN 0 3 2013

Signature:

NPO#NAU-P1648-USA:0 CUST#UMCD-2012-0513 Page 10 of 10

F#NPO-P0002E-US1201 DSC0-102U002984

PATENT REEL: 030563 FRAME: 0817

RECORDED: 06/07/2013