503143569 01/21/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3190181

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Te-Hsien Hsieh	11/14/2014
Ming-Jui Chen	11/14/2014
Cheng-Te Wang	11/14/2014
Jing-Yi Lee	11/14/2014
Jian-Yuan Ma	11/14/2014
Yan-Chun Chen	11/14/2014

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:	14601250

CORRESPONDENCE DATA

Fax Number: (703)997-4517

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3027291562

Email: Patent.admin.uspto.cr@naipo.com

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

Address Line 4: MERRIFIELD, VIRGINIA 22116

ATTORNEY DOCKET NUMBER:	NAUP2367USA
NAME OF SUBMITTER:	KATE YEH
SIGNATURE:	/KATE YEH/
DATE SIGNED:	01/21/2015

Total Attachments: 12 source=2157226#page1.tif

PATENT REEL: 034765 FRAME: 0441

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PATENT REEL: 034765 FRAME: 0442

Title of Invention: **PATTERN VERIFYING METHOD**

As the below named inventor, I here This declaration is directed to:	eby declare that:			
☑ The attached application, or				
☐ United States application nu	ımber	filed on		, or
☐ PCT international applicatio	n number	filed o	on	
The above-identified application was	s made or authorized to b	e made by me.		
I believe that I am the original inventapplication.	tor or an original joint inve	ntor of a claimed ir	ovention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impo	ıl false statement made in risonment of not more tha	this declaration is n five (5) years, or	punishable both.	
In consideration of the payment by	UNITED MICROELE CORP.	CTRONICS h	aving a postal ad	ddress of
No.3, Li-Hsin Road 2, Science	e-Based Industrial Pa	rk, Hsin-Chu C	ity 300, Taiwa	n, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good and	o I of the sum of One Doll nd valuable consideration	ar (\$ 1. 0 0), the rec	eipt of which is h	nereby
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 o substitutes, or extensions thereof, an	nd to any and all improve ition and, in and to, all Lei r any continuations, contil	ments which are di ters Patent to be o nuation-in-part, divi	sclosed in the btained for said sions, renewals,	
I hereby covenant that no assignme entered into which would conflict wit	nt, sale, agreement or end h this assignment;	cumbrance has bee	en or will be mad	le or
I further covenant that ASSIGNEE wand documents relating to said inverknown and accessible to I and will to related thereto and will promptly exercise.	ntion and said Letters Pate estify as to the same in an	ent and legal equiv v interference, litiga	alents as may be	9
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 ar ecessary or desirable to c	nd said Letters Pate arry out the propos	ent and said es thereof.	of signing)
Note: An application data sheet (PTo inventive entity, must accompany this	O/SB/14 or equivalent), in is form. Use this form for a	cluding naming the each additional inve	entire entor.	

1 of 12 Page

F#NPO-P0002E-US1201 DSC0-103U009168

PATENT REEL: 034765 FRAME: 0443

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Te-Hsien Hsieh

Date:

NOV 1 4 2014

Signature:

Teldner I fach

Page 2 of 12

Title of Invention: PATTERN VERIFYING METHOD

As the below named inventor, I here This declaration is directed to:	eby declare that:		
☑ The attached application, or	•		
☐ United States application nu	ımber	filed on	, or
☐ PCT international application	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	e
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	ll false statement made in this dec isonment of not more than five (5)	elaration is punishable years, or both.	
In consideration of the payment by	UNITED MICROELECTRON CORP.	NICS having a posta	l address of
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar	o I of the sum of One Dollar (\$ 1.0 nd valuable consideration.	0), the receipt 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 wi tion and, in and to, all Letters Pato r any continuations, continuation-i	hich are disclosed in the ent to be obtained for sa n-part, divisions, renewa	e aid als
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbran n this assignment;	ce has been or will be n	nade 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 I stify as to the same in any interfe	egal equivalents as may	v 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 and said L descessary or desirable to carry out t	etters Patent and said he proposes thereof.	ate of signing
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including r s form. Use this form for <u>each add</u>	naming the entire	

Page 3 of 12

NPO#NAU-P2367-USA:0 CUST#UMCD-2014-0464

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Ming-Jui Chen

Date:

NOV 1 4 2014

Signature:

Page 4 of 12

Title of Invention: PATTERN VERIFYING METHOD

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	s made or authorized to be made		
I believe that I am the original inventapplication.	or or an original joint inventor of a	claimed invention in th	ne
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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 wi tion and, in and to, all Letters Pate any continuations, continuation-in	hich are disclosed in the ent to be obtained for s n-part, divisions, renew	e aid als
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbrand n this assignment;	ce has been or will be r	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 li stify as to the same in any interfer	egal equivalents as ma	v be
representatives any and all papers, in maintain, issue and enforce said appequivalents thereof which may be not IN WINTNESS WHEREOF, I have he	lication, said invention and said L- cessary or desirable to carry out t	etters Patent and said he proposes thereof.	Pate of signing)
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including n s form. Use this form for each add	aming the entire	

Page 5 of 12

NPO#NAU-P2367-USA:0 CUST#UMCD-2014-0464

LEGAL NA	ME OF INVENTOR(ASSIG	NOR)		
Inventor:	Cheng-Te Wang		Date:	NOV 1 4 2014
Signature:	Chary-Te	Dang		
	\mathcal{F}	//		

Page 6 of 12

Title of Invention: PATTERN VERIFYING METHOD

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	filed on	-	
The above-identified application was	made or authorized to be made	by me.	
I believe that I am the original invente application.	or or an original joint inventor of	a claimed invention in th	e
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri	false statement made in this de sonment of not more than five (eclaration is punishable 5) years, or both.	
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I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified application or substitutes, or extensions thereof, an	d to any and all improvements vion and, in and to, all Letters Pa any continuations, continuation	which are disclosed in the itent to be obtained for sa -in-part, divisions, renew	e aid als
I hereby covenant that no assignment entered into which would conflict with	t, sale, agreement or encumbra this assignment;	nce has been or will be r	nade 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 Patent and stify as to the same in any interfe	legal equivalents as ma erence, litigation proceed	v be
representatives any and all papers, ir maintain, issue and enforce said app equivalents thereof which may be nee IN WINTNESS WHEREOF, I have he	lication, said invention and said cessary or desirable to carry out	Letters Patent and said the proposes thereof.	eate of signing)
Note: An application data sheet (PTC inventive entity, must accompany this			

Page 7 of 12

NPO#NAU-P2367-USA:0 CUST#UMCD-2014-0464

LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Jing-Yi Lee	Date:	NOV 1 4 2014		
Signature:	Tring Ti Lee.				

Page 8 of 12

Title of Invention: PATTERN VERIFYING METHOD

As the below named inventor, I here This declaration is directed to:			
☑ The attached application, or			
☐ United States application number		filed on	, or
☐ PCT international application number		filed on	
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I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encumbrar n this assignment;	nce has been or will be	made or
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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 I cessary or desirable to carry out	etters Patent and said the proposes thereof.	d (Date 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 ad</u>	naming the entire ditional inventor.	

Page 9 of 12

LEGAL NAME OF INVENTOR(ASSIGNOR)							
Inventor:	Jian-Yuan Ma		Date:	NOV 1 4 2014			
Signature:	Jian -Yuan	14a					

Page 10 of 12

Title of Invention: PATTERN VERIFYING METHOD

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Page 11 of 12

NPO#NAU-P2367-USA:0 CUST#UMCD-2014-0464

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Yan-Chun Chen

Date:

NOV 1 4 2014

Signature:

Yan-Chun Chen

Page 12 of 12

F#NPO-P0002E-US1201 DSC0-103U009168

PATENT REEL: 034765 FRAME: 0454

RECORDED: 01/21/2015

NPO#NAU-P2367-USA:0

CUST#UMCD-2014-0464