504922566 05/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4969312

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kai-Jiun Chang	05/03/2018
Tsun-Min Cheng	05/03/2018
Chih-Chieh Tsai	05/03/2018
Jui-Min Lee	05/03/2018
Yi-Wei Chen	05/03/2018
Chia-Lung Chang	05/03/2018
Wei-Hsin Liu	05/03/2018

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
Name:	FUJIAN JINHUA INTEGRATED CIRCUIT CO., LTD.
Street Address:	NO.88, LIANHUA AVENUE, INTEGRATED CIRCUIT SCIENCE PARK, JINJIANG CITY
City:	QUANZHOU CITY,FUJIAN PROVINCE
State/Country:	CHINA

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15869005

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.

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Correspondent Name: WINSTON HSU

Address Line 1: 5F., NO.389, FUHE RD., YONGHE DIST.,

Address Line 4: NEW TAIPEI CITY, TAIWAN

ATTORNEY DOCKET NUMBER: NAUP2938USA

PATENT REEL: 045854 FRAME: 0671

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NAME OF SUBMITTER:	STEFFI CHANG
SIGNATURE:	/STEFFI CHANG/
DATE SIGNED:	05/20/2018
Total Attachments: 14	
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PATENT REEL: 045854 FRAME: 0672

Title of Invention:

METHOD FOR MANUFACTURING A SEMICONDUCTOR DEVICE WITH A COBALT SILICIDE FILM

As the below named inventor, I here This declaration is directed to:	by decl	are that:			
☐ The attached application, or					
☑ United States application nu	mber	15/869,005	filed	on 01/11/2018	, or
☐ PCT international application	numk	per	file	ed on	
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Page 1 of 14

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representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof.

IN WITNESS WHEREOF, I have hereunto set hand and seal this MAY 0 3 2018 (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.

LEGAL NAME OF INVENTOR(ASSIGNOR)

inventor:	Kai-Jiun Chang	Date:	MAY 0 3 2018	
		,		

Signature: Kai Jinn Chang

Page 2 of 14

NPO#NAU-P2938-USA:0 CUST#UMCF-2016-0096

Title of Invention:

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LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: **Tsun-Min Cheng** Date:

MAY 0 3 2018

NPO#NAU-P2938-USA:0

CUST#UMCF-2016-0096

Page

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LEGAL NAME OF INVENTOR(ASSIGNOR)								
Inventor:	Chih-Chieh Tsai		Date:	MAY	0 3 2018			
Signature:	7 Chih-Chieh	Isa;						

Page 6 of 14

Title of Invention:

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	oplication data sheet (PTO/ ntity, must accompany this				
LEGAL NA	ME OF INVENTOR(ASSIG Jui- Min Lee	iNOR)	Date:	1AY 03 2 0	118
Signature:	Jui-Min Lee				

Page 8 of 14

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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					

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LEGAL NAME OF INVENTOR(ASSIGNOR)	Date	.MAY 0 3 20	18
Signature: Yi-Wei Chen	Date: —	.FIMI U 3 ZU	

Page 10 of 14

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RECORDED: 05/20/2018

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PATENT REEL: 045854 FRAME: 0686