503704115 02/23/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3750756

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAN	CE:	ASSIGNMENT	
CONVEYING PARTY DA	ТА		
		Name Execution Date	
RUILONG XIE		02/19/2016	
CATHERINE B. LABELLE		02/19/2016	
HOON KIM		02/19/2016	
CHANRO PARK		02/19/2016	
MIN GYU SUNG		02/19/2016	
RECEIVING PARTY DAT	A		
Name:	GLOBAL	LFOUNDRIES INC.	
Street Address:	PO BOX	309	
Internal Address:	UGLANE	D HOUSE	
City:	GRAND	CAYMAN	
State/Country:	CAYMAI	N ISLANDS	
State/Country: Postal Code:	CAYMAN KY1-110		
Postal Code:	KY1-110		
Postal Code:	KY1-110)4	
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	KY1-110 Total: 1 1 ATA (7 sent to a rovided; 7 m S 2	Number 5050540 713)434-6671 the e-mail address first; if that is unsuccessful, it will be sent if that is unsuccessful, it will be sent via US Mail. 7134346674 npaul@amersoniplaw.com SCOTT F. DIRING 2500 FONDREN ROAD, SUITE 220	
Postal Code: PROPERTY NUMBERS Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	KY1-110 Total: 1 1 ATA (7 sent to a rovided; 7 m S 2 H	Number 5050540 713)434-6671 the e-mail address first; if that is unsuccessful, it will be sent : if that is unsuccessful, it will be sent via US Mail. ?134346674 npaul@amersoniplaw.com SCOTT F. DIRING 2500 FONDREN ROAD, SUITE 220 HOUSTON, TEXAS 77063	
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Total Attachments: 5

source=Declaration_and_Assignment#page1.tif source=Declaration_and_Assignment#page2.tif source=Declaration_and_Assignment#page3.tif source=Declaration_and_Assignment#page4.tif source=Declaration_and_Assignment#page5.tif

DECLARATION As the below named inventor, I hereby declare that: This declaration is directed to; Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Image: Colspan="2">Colspan="2"Colspan="2">Colspan="2" Colspan="2">Colspan="2" Colspan="2" Colspan= Colsp	Title of Invention	METHODS OF PERFORMING CONCURRENT FIN AND GATE CUT ETCH PROCESSES FOR FINFET SEMICONDUCTOR DEVICES AND THE RESULTING DEVICES
This declaration Image: The attached application, or is directed to: United States application or PCT international application numberfiled on The above-identified application was made or authorized to be made by me. Image: 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. Interest y acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Frademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56. ASSIGNMENT For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, 1 erreby sell, assign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, irrand Cayman KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to invortions, for the United States and/or my foreign countries, and any reissues, re-examinations, renewals, continuations, continuations, for the United States and all freight to all freight or all freights and all freight to apply for, take and maintain patents on said inventions. 'any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof tall nevertheless remain in full force and effect. (add) Invertions. <t< td=""><td></td><td>DECLARATION</td></t<>		DECLARATION
is directed to:	As the below	named inventor, I hereby declare that:
United States application or PCT international application numberfiled on difference of the application was made or authorized to be made by me. 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 under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and frademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56. ASSIGNMENT For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged. 1 ereby sell, assign, transfer, to GLOBALFOUNDRIES lnc, having a business address of PO Box 309, Ugland House, irand Cayman KY 1-1104 its successors and assigns, absolutely and forever, my entire right, tilte and interest in and to tenvention listed above, together with the Application, any and all Patents that may issue in the United States and/or yo foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or tensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in sail Applications, for the United States and all freight read inversions thereof that may be issued or granted, and all right, title and interest on the inventions of patents and Applications, for the United States and all freight and privileges relating thereto clucking but not limited to the priority rights arising from said Applications, the right to recover and take all such orecedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future fringement, and the right t		
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EGAL NAME OF INVENTOR Inventor: RUILONG XIE Date: 2/13/20/6	any portion (all nevertheld	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof ess remain in full force and effect.
Inventor: <u>RUILONG XIE</u> Date: $2/13/20/6$	3GAL NAME	OF INVENTOR
	Inventor: R	UILONG XIE Date: $2/19/20/6$
Signature:	Signature:	$\sqrt{2}$

Title of Invention	METHODS OF PERFORMING CONCURRENT FIN AND GATE CUT ETCH PROCESSES FOR FINFET SEMICONDUCTOR DEVICES AND THE RESULTING DEVICES
	DECLARATION
As the below	named inventor, I hereby declare that:
This declaration is directed to:	on The attached application, or
	United States application or PCT international application number filed on
The above-ide	ntified 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 ackno fine or impriso	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by nment of not more than five (5) years, or both.
l have reviewed Trademark Off	I and understand the contents of the application and am aware of the duty to disclose to the US Patent and ice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
0 1	ASSIGNMENT
Grand Cayman the invention lis any foreign cou extensions there and Application including but no proceedings as r	nd valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I ign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to ited above, together with the Application, any and all Patents that may issue in the United States and/or nuries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or of that may be issued or granted, and all right, title and interest to the inventions contained in said Patents s, for the United States and all foreign countries, and all the rights and privileges relating thereto it limited to the priority rights arising from said Applications, the right to recover and take all such may be necessary for the recovery of damages or otherwise in respect of past, present and future and the right to apply for, take and maintain patents on said inventions.
If any portion c shall neverthek	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof as remain in full force and effect.
LEGAL NAME	OF INVENTOR
	ATHERINE B. LABELLE Date : Date :
Signature:	Cathuns & Habelle
Note: An applicati Use an additional f	on data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. orm for each additional inventor.

PATENT REEL: 037793 FRAME: 0513

Title of Invention	METHODS OF PERFORMING CONCURRENT FIN AND GATE CUT ETCH PROCESSES FOR FINFET SEMICONDUCTOR DEVICES AND THE RESULTING DEVICES
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati is directed to:	
	United States application or PCT international application number filed on
The above-ide	ntified application was made or authorized to be made by me.
believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.
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have reviewe Frademark Of	d and understand the contents of the application and am aware of the duty to disclose to the US Patent and fice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
	ASSIGNMENT
ereby sell, ass irand Cayman he invention li ny foreign cou xtensions ther nd Application icluding but n roceedings as	and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I lign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to sted above, together with the Application, any and all Patents that may issue in the United States and/or intries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or eof that may be issued or granted, and all right, title and interest to the inventions contained in said Patent is, for the United States and all foreign countries, and all the rights and privileges relating thereto ot limited to the priority rights arising from said Applications, the right to recover and take all such may be necessary for the recovery of damages or otherwise in respect of past, present and future nd the right to apply for, take and maintain patents on said inventions.
	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof less remain in full force and effect.
EGAL NAME	OF INVENTOR
Inventor: H	100N KIM Date: 2/18/18
Signature:	
	tion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

Title of Invention	METHODS OF PERFORMING CONCURRENT FIN AND GATE CUT ETCH PROCESSES FOR FINFET SEMICONDUCTOR DEVICES AND THE RESULTING DEVICES
	DECLARATION
As the below r	named inventor, I hereby declare that:
This declaration is directed to:	m The attached application, or
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LEGAL NAME	OF INVENTOR
Inventor: <u>C</u> Signature: <u><</u>	HANRO PARK Date: =>/19/2016 Champer
	ion data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

PATENT REEL: 037793 FRAME: 0515

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As the below	named inventor, I hereby declare that:
This declarati is directed to:	
	United States application or PCT international application number filed on
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	ASSIGNMENT
hereby sell, ass Grand Caymar, the invention li any foreign con- extensions ther and Applicatio neluding but no proceedings as	and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I sign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, a KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to steed above, together with the Application, any and all Patents that may issue in the United States and/or intries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or eof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents ans, for the United States and all foreign countries, and all the rights and privileges relating thereto ot limited to the priority rights arising from said Applications, the right to recover and take all such may be necessary for the recovery of damages or otherwise in respect of past, present and future and the right to apply for, take and maintain patents on said inventions.
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EGAL NAMI	OF INVENTOR
Inventor: 1	MIN GYU SUNG Date: 12/19/2016
Signature:	Los Las Con

RECORDED: 02/23/2016