505001226 07/12/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5047974

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT				
NATURE OF CONVEYA	NCE:	ASSIGNMENT	ASSIGNMENT				
CONVEYING PARTY D	ΔΤΑ						
		Name		Execution Date			
XINSHU CAI				07/10/2018			
SHYUE SENG TAN				07/10/2018			
JUAN BOON TAN				07/10/2018			
DANNY PAK-CHUM SH	HUM			07/12/2018			
RECEIVING PARTY D	ΑΤΑ						
Name:	GLOBA	ALFOUNDRIES SINGAPORE PTE. I	_TD.				
Street Address:	60 WO	ODLANDS INDUSTRIAL PARK D S	TREET 2				
City:	SINGA	SINGAPORE					
State/Country:	SINGA	SINGAPORE					
Postal Code:	738406	738406					
PROPERTY NUMBERS	S Total: 1						
PROPERTY NUMBER	T	Number					
	,	Number 16032896					
Property Type							
Property Type Application Number: CORRESPONDENCE	DATA	16032896 (703)519-9958					
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PATENT REEL: 046335 FRAME: 0724

GF Ref. No.: KSG013-US-NP

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	A METAL-INSULATOR-POLY CAPACITOR IN A HIGH-K METAL GATE PROCESS AND METHOD OF MANUFACTURING							
DECLARATION								
As the below	named inventor, I hereby declare that.							
This declarat is directed to								
15 unceen at	United States application or PCT international application numberfiled on							
The above-id	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.								
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CPR § 1.56.								
	ASSIGNMENT							
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial Park D Street 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue in the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States and all foreign countries, and all the rights and privileges relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such proceedings as may he necessary for the recovery of damages or otherwise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.								
If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.								
LEGAL NA	ME OF INVENTOR							
Inventor:	Xinshu CAI Date : 78 8 07 / 11 .							
Signature	- Or Han							
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire investive entity, must accompany this form. Use an additional form for each additional investor.								

PATENT REEL: 046335 FRAME: 0725

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	A METAL-INSULATOR-POLY CAPACITOR IN A HIGH-K METAL GATE PROCESS AND METHOD OF MANUFACTURING						
DECLARATION							
As the below	named inventor, I hereby declare that:						
This declarati	This declaration The attached application, or						
	United States application or PCT international application numberfiled on						
The above-id	entified 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.							
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark 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 hereby sell, assign, transfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands industrial Park D Street 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue in the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States and all foreign countries, and all the rights and privileges relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.							
If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.							
LEGAL NAN	te of inventor						
Inventor:	Shyue Seng TAN Date: Use the folg 20 G						
Signature:							
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire investive entity, must accompany this form. Use an additional form for each additional investor.							

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of	
Invention	

A METAL-INSULATOR-POLY CAPACITOR IN A HIGH-K METAL GATE PROCESS AND METHOD OF MANUFACTURING

DECLARATION

As the below named inventor, I hereby declare that:

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This declaration is directed to:

The attached application, or

United States application 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 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 Trademark 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, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial Park D Street 2, Singapore, 738406, its successors and assigns, absolutely and forever, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue in the United States and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States and all foreign countries, and all the rights and privileges relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.

If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.

LEGAL NAME OF INVENTOR

Inventor: Juan Boon TAN

Signature: /

Date: 10 July 2018

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

GF Ref. No.: KSG013-US-NP

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention

A METAL-INSULATOR-POLY CAPACITOR IN A HIGH-K METAL GATE PROCESS AND METHOD OF MANUFACTURING

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As the below named inventor, I hereby declare that:

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United States application or PCT international application number ______ filed on

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If any portion of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof shall nevertheless remain in full force and effect.

LEGAL NAME OF INVENTOR

Inventor:	Danı	ıy Pak	-Chum	SHUM
		,	7	- 1

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Date : 12 July 2018

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

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RECORDED: 07/12/2018

Signature: