#### 505960863 03/11/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6007570

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHENGANG FENG	03/09/2020
HANDOKO LINEWIH	03/09/2020
YANXIA SHAO	03/09/2020
YUDI SETIAWAN	03/06/2020

## **RECEIVING PARTY DATA**

Name:	GLOBALFOUNDRIES SINGAPORE PTE. LTD.
Street Address:	60 WOODLANDS INDUSTRIAL PARK D STREET 2
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	738406

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16813835

### **CORRESPONDENCE DATA**

Fax Number: (617)849-5451

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.

Email: globalfoundries@vjp.de

Correspondent Name: VIERING, JENTSCHURA & PARTNER MBB Address Line 1: C/O 444 BRICKELL AVENUE, SUITE 700

Address Line 4: MIAMI, FLORIDA 33131

ATTORNEY DOCKET NUMBER:	P117506US
NAME OF SUBMITTER:	NATALIE A. LEE
SIGNATURE:	/Natalie A. Lee, Reg.# 67,023/
DATE SIGNED:	03/11/2020

### **Total Attachments: 4**

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> **PATENT REEL: 052076 FRAME: 0835** 505960863

OF SG Ref. No.: LSG084-US-NP

COMBINED DECLARATION and ASSIGNMENT (37 CFR L63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR L76)

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Title of Invention	THIN FILM BASED SEMICONDUCTOR DEVICES AND METHODS OF FORMING A THIN FILM BASED SEMICONDUCTOR DEVICE
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	on The attached application, or
	United States application or PCT international application numberfiled on
The above-ide	anified 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 ackn fine or impris	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by onment 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
self, assign, Industrial Par interest in an United States parts, division contained in privileges rel- recover and to	valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby transfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands & D Street 2, Singapore 738406 its successors and assigns, absolutely and forever, my entire right, fitle and d to the invention listed above, together with the Application, any and all Patents that may issue in the and/or any foreign countries, and any reissues, re-examinations, renewals, continuations, continuation-in-tals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions said Patents and Applications, for the United States and all foreign countries, and all the rights and atting thereto including but not limited to the priority rights arising from said Applications, the right to ake all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, ture 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 NAM	IE OF INVENTOR
Inventor	Chengang FENG Date: 7 May 220
Signature	<u> </u>
Note: An appli Use an addition	estion data sheet (PTO/SR/14 or equivalent), including naming the entire inventive entity, must accompany this form, as form for each additional inventor,

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PATENT REEL: 052076 FRAME: 0836

GF SG Ref. No.: LSG084-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	THIN FILM BASED SEMICONDUCTOR DEVICES AND METHODS OF FORMING A THIN FILM BASED SEMICONDUCTOR DEVICE
	DECLARATION
As the below	named inventor, I hereby declare that:
This declarati	
	United States application or PCT international application number filed 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.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by onment of not more than five (5) years, or both.
	ed and understand the contents of the application and am aware of the duty to disclose to the US Patent and ffice all information known to me to be material to patentability as defined in 37 CFR § 1.56.
98444444	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:	Handoko LINEWIH Date 7/63/2020.
Signature:	Howary
	ication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.  all form for each additional inventor.

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GF SG Ref. No.: LSG084-US-NP

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

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* *	DECLARATION
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This declarati	N 1
	United States application or PCT international application number filed 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.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by onment 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 NAM	ME OF INVENTOR
Inventor.	Yanxia SHAO Date: 4/7/ WW
Signature:	
	ication data sheet (FTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. nal form for each additional inventor.

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GF SG Ref. No.: LSG084-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	THIN FILM BASED SEMICONDUCTOR DEVICES AND METHODS OF FORMING A THIN FILM BASED SEMICONDUCTOR DEVICE
	DECLARATION
As the below	named inventor. Ubereby declare that:
This declarations is directed to:	on The attached application, or
	United States application or PCT international application numberfiled on
The above-ide	muffed application was made or authorized to be made by me.
I believe that	am the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowledge that any willful false atalement 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.	
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged. I hereby sell, assign, wanter, to GLOBALPOUNDRIES Singapone Pie. Ltd. having a business address of 60 Woodlands Industrial Park D Street 2, Singapone 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-inparts, 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 intervise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.	
If any portion shall neverth	of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof dess remain in full force and effect.
EEGAL NAM	E OF INVENTOR
Inventor:	Yadi SETIAWAN Daie: 6 March 2020
Signature: 4/2/	
Note: An applic Use an addition	afich data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. If form for each additional inventor,

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