# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2829360

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WANBING YI	03/25/2014
YANG HONG	03/25/2014
YI JIANG	03/25/2014
FRANCIS POH	03/25/2014
TZE HO SIMON CHAN	03/26/2014
JUAN BOON TAN	03/27/2014

## **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:	14261543

### **CORRESPONDENCE DATA**

**Fax Number:** (480)385-5061

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

**Phone:** 480-385-5060

Email: docketing@ifllaw.com

Correspondent Name: INGRASSIA FISHER & LORENZ, P.C. (GF)

**Address Line 1:** 7010 E. COCHISE RD.

Address Line 4: SCOTTSDALE, ARIZONA 85253

ATTORNEY DOCKET NUMBER:	126.0035 (ESG073)
NAME OF SUBMITTER:	RYAN T. FORTIN
SIGNATURE:	/Ryan T. Fortin/
DATE SIGNED:	04/25/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 6** 

PATENT
REEL: 032755 FRAME: 0071

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PATENT REEL: 032755 FRAME: 0072

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	INTEGRATED CIRCUITS WITH SPIN TORQUE TRANSFER MAGNETIC RANDOM ACCESS MEMORY AND METHODS FOR FABRICATING THE SAME	
	DECLARATION	
As the below	named inventor, I hereby declare that:	
This declarati	/ \	
	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.	
	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 NAME OF INVENTOR		
Inventor:	Wanbing Yi Date: 25 (03/14	
Signature:	Wanking-X:	
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.		

COMBINED DECLARATION 2016 ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	INTEGRATED CIRCUITS WITH SPIN TORQUE TRANSFER MAGNETIC RANDOM ACCESS MEMORY AND METHODS FOR FABRICATING THE SAME
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I have review Trademark O	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.
	A CONTROL STREET
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-imparts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in and 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 fire, 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	
1	Yang Hong Date: 25/3/29/14
Signature:	Yong Mang
	ication data thesi (PTO:58/14 or equivalent), including naming the entire inventive entity, must accompany this form.

84637469v5

PATENT REEL: 032755 FRAME: 0074

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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Title of Invention	INTEGRATED CIRCUITS WITH SPIN TORQUE TRANSFER MAGNETIC RANDOM ACCESS MEMORY AND METHODS FOR FABRICATING THE SAME	
	DECLARATION	
As the below	named inventor, I hereby declare that:	
	This declaration	
	United States application or PCT international application numberfiled on	
The above-ide	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 reviewe Trademark Of	ed and understand the contents of the application and am aware of the duty to disclose to the US Patent and flice 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-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 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 NAV	E OF INVENTOR	
Inventor:	2 ° - M .	
Signature: Fi Jihns		
Note: An appli	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	
Use an addition	al form for each additional inventor.	

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

	INTEGRATED CIRCUITS WITH SPIN TORQUE TRANSFER MAGNETIC		
Title of Invention	RANDOM ACCESS MEMORY AND METHODS FOR FABRICATING THE		
invention	SAME		
OCCUPANTA AND AND AND AND AND AND AND AND AND AN	DECLARATION		
As the below	named inventor, I hereby declare that:		
This declarati	This declaration		
	United States application or PCT international application number filed on		
	·		
The above-ide	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.		
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LEGAL NAME OF INVENTOR			
Inventor:	Francis Poh Date: 25/3/14.		
Signature:	- Challes		
Note: An applic	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

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	INTEGRATED CIRCUITS WITH SPIN TORQUE TRANSFER MAGNETIC RANDOM ACCESS MEMORY AND METHODS FOR FABRICATING THE SAME	
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LEGAL NAME OF INVENTOR		
Inventor:	Tze Ho Simon Chan  Date: 26/03/14	
Signature:	-Cha-	
Note: An appli Use an addition	cation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

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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	·	
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LEGAL NAM	E OF INVENTOR	
Inventor:	Juan Boon Tan Date: 27 May 2014	
Signature:	<u> </u>	
Note: An applic	eation data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

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PATENT REEL: 032755 FRAME: 0078

RECORDED: 04/25/2014