

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5578109

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PINGHUI LI	01/03/2018
HAIQING ZHOU	01/03/2018
LIYING ZHANG	01/03/2018
WANBING YI	01/04/2018
MING ZHU	01/03/2018
DANNY PAK-CHUM SHUM	01/03/2018
DARIN CHAN	01/04/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GLOBALFOUNDRIES SINGAPORE PTE. LTD.
<b>Street Address:</b>	60 WOODLANDS INDUSTRIAL PARK D STREET 2
<b>City:</b>	SINGAPORE
<b>State/Country:</b>	SINGAPORE
<b>Postal Code:</b>	738406
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16443255
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)519-9958
<i>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.</i>	
<b>Phone:</b>	7035199951
<b>Email:</b>	docket@dcpatent.com
<b>Correspondent Name:</b>	DITTHAVONG & STEINER P.C.
<b>Address Line 1:</b>	44 CANAL CENTER PLAZA
<b>Address Line 2:</b>	SUITE 305
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	P8780US01
<b>NAME OF SUBMITTER:</b>	BRIAN K. SEIDLECK
<b>SIGNATURE:</b>	/Brian K. Seidleck/
<b>DATE SIGNED:</b>	06/18/2019

PATENT

**Total Attachments: 7**

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

<b>Title of Invention</b>	A DENSITY-CONTROLLABLE DUMMY FILL STRATEGY FOR NEAR-MRAM PERIPHERY AND FAR-OUTSIDE-MRAM LOGIC REGIONS FOR EMBEDDED MRAM TECHNOLOGY AND METHOD FOR PRODUCING THE SAME
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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**

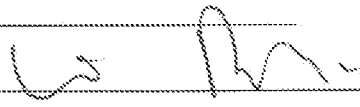
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Singapore Pte. Ltd. having a business address of 60 Woodlands Industrial Park D Street 2, Singapore, 738406, its successors and assigns, absolutely 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: Pingina Li

Date: Jan 3th, 2018.

Signature: 

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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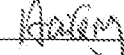
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**LEGAL NAME OF INVENTOR**

Inventor: Haiqing ZHOU

Date: 3 Jan 2018

Signature: 

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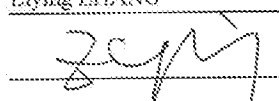
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**LEGAL NAME OF INVENTOR**

Inventor: Liying ZHANG Date: Jan 3th, 2018  
 Signature: 

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**LEGAL NAME OF INVENTOR**

Inventor: Wanbing Yi

Date: 4-Jan-2018

Signature: *Wanbing Yi*

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**LEGAL NAME OF INVENTOR**

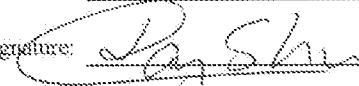
Inventor: Ming ZHU

Date: Jan 24, 2018

Signature: 

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<b>LEGAL NAME OF INVENTOR</b>	
Inventor: <u>Danny Pak-cham SHUM</u>	Date: <u>Jan 3th 2018</u>
Signature: 	
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LEGAL NAME OF INVENTOR

Inventor: Darin CHAN Date: 1/4/2018

Signature: *Darin Chan*

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