### 504078874 11/02/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4125542 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
VEERARAGHAVAN BASKER	08/28/2015
KANGGUO CHENG	08/27/2015
THEODORUS STANDAERT	08/27/2015
JUNLI WANG	09/01/2015

### **RECEIVING PARTY DATA**

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

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

Property Type	Number
Application Number:	15341663

### **CORRESPONDENCE DATA**

**Fax Number:** (860)286-0115

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.

**Phone:** 860-286-2929

**Email:** usptopatentmail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP-IBM YORKTOWN

Address Line 1: 20 CHURCH STREET

Address Line 2: 22ND FLOOR

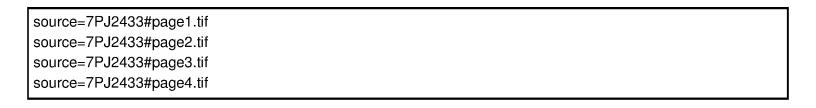
Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	YOR920150641US3
NAME OF SUBMITTER:	TARA C. STUART
SIGNATURE:	/Tara C. Stuart/
DATE SIGNED:	11/02/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

PATENT REEL: 040200 FRAME: 0605

504078874



PATENT REEL: 040200 FRAME: 0606

# DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

# Title of Invention: Self aligned PTS liner for bulk FINFET

As a below named inventor, I hereby declare that:
This declaration is directed to the attached application, or (if following box is checked):
[ ] United States application or PCT international application number
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 have reviewed and understand the contents of the application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM. its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Page 1 of 2

## IBM DOCKET NUMBER: YOR920150641US1

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

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.

(1) Legal Name of Inventor: Veeraraghavan Basker	
Signature:	Date:8/28/2015
(2) Legal Name of Inventor: Kangguo Cheng	
Signature	Date: 8/27/2017
(3) Legal Name of Inventor: Theodorus Standaert	
Signature:	Date: <u>2/27/20</u> /5
(4) Legal Name of Inventor: <b>Junii Wang</b>	
Signature:	Date:

# DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

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I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto.

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being bereby acknowledged, each indersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives and assigns, the entire worldwide right, little, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the invention which may be applied for or gramed therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filtre of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Enrestor of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authornies to listic any foreign patent, granted for the Invention, to IBM. the operational legal representatives and agreem the come worldwide right, little, and interest in and to the same to be held and emoved by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and emoved by the undersigner had the Assignment not been made, and east undersigned in entor secretic execute any and all documents and normanents and perform all lawful acts reasonably related to recording that Assignment on ported the table to the Invention and all related patients and applications, in The analysis of the community of the comment of the

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PATENT REEL: 040200 FRAME: 0609

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Develop acknowledge that any will full take statement made in this declaration is purishable under 18 U.S.C. 1001 by the or improviment of not more than five (5) years or both.

(1) Legal Name of Inventor: Veeraraghavan Basker	
Signature	Date:
(2) Legal Name of Inventor: Kangguo Cheng	
Signature	Date
(3) Legal Name of Inventor: Theodorus Standaeri	
Signature	Ente
(4) Legal Name of Inventor Junii Wang	
Signature:	Draw