## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

onic Version v1.1 EPAS ID: PAT2772513

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
TAKASHI ANDO	03/10/2014
CHANGHWAN CHOI	03/13/2014
UNOH KWON	03/13/2014
VIJAY NARAYANAN	03/14/2014

### **RECEIVING PARTY DATA**

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Street Address:	NEW ORCHARD ROAD	
City:	ARMONK	
State/Country:	NEW YORK	
Postal Code:	10504	

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

Property Type	Number
Application Number:	14217574

### **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 via

US Mail.

**Phone:** 860-286-2929

**Email:** usptopatentmail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP-IBM YORKTOWN

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Address Line 2: 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	YOR920100220US3
NAME OF SUBMITTER:	SEAN F. SULLIVAN
SIGNATURE:	/SEAN F. SULLIVAN/
DATE SIGNED:	03/18/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 8** source=72E1867#page1.tif

502725908 PATENT REEL: 032460 FRAME: 0454



PATENT REEL: 032460 FRAME: 0455

## 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: SCALED EQUIVALENT OXIDE THICKNESS FOR FIELD EFFECT TRANSISTOR DEVICES

Whereas, I 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 I desire to grant to IBM, my 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, I ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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, is successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and teache 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 me had this Assignment not been made; and I agree 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.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant 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.

Date: 3-10-2014
Date:
Date:
Date:

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This declaration is directed to the attached application, or (if following box is checked):
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 have reviewed and understand the contents of the application, including the claims.
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.

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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, my entire worldwide right, title, and interest in and 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 me had this Assignment not been made; and I agree 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.

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(1)	Legal Name of Inventor: TAKASHI ANDO	
	Signature:	_ Date:
(2)	Legal Name of Inventor: CHANGHWAN CHOI	
	Signature: Changles Company	Date: <u>13-13-2014</u>
(3)	Legal Name of Inventor: UNOH KWON	
	Signature:	Date:
(4)	Legal Name of Inventor: VIJAY NARAYANAN	
	Signature:	Date:

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I have reviewed and understand the contents of the application, including the claims.
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(1) Legal Name of Inven	tor: TAKASHI ANDO	
Signature:		Date:
(2) Legal Name of Invent	or: CHANGHWAN CHOI	
Signature:		Date:
(3) Legal Name of Invent		
Signature:	h Min	Date: 03/13/2014
(4) Legal Name of Invento	or: VIJAY NARAYANAN	
Signature:		Date

Page 2 of 2

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(1) Legal Name of Inventor: TAKASHI ANDO	
प्रमुख्या अस्त अस्तु	
Signature:	Date:
(2) Legal Name of Inventor: CHANGHWAN CHOI	
Signature:	Date:
(3) Legal Name of Inventor: UNOH KWON	
Signature:	Date:
(4) Legal Name of Inventor: VIJAY NARAYANAN	
Signature: Way Noncyana	Date: 03   14   14

Page 2 of 2

RECORDED: 03/18/2014