

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MARC ADAM BERGENDAHL</td> <td>11/26/2012</td> </tr> <tr> <td>KANGGUO CHENG</td> <td>11/26/2012</td> </tr> <tr> <td>DAVID VACLAV HORAK</td> <td>11/26/2012</td> </tr> <tr> <td>ALI KHAKIFIROOZ</td> <td>11/26/2012</td> </tr> <tr> <td>SHOM PONOTH</td> <td>11/26/2012</td> </tr> <tr> <td>THEODORUS EDUARDUS STANDAERT</td> <td>11/26/2012</td> </tr> <tr> <td>CHIH-CHAO YANG</td> <td>11/26/2012</td> </tr> <tr> <td>CHARLES WILLIAM KOBURGER III</td> <td>12/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	MARC ADAM BERGENDAHL	11/26/2012	KANGGUO CHENG	11/26/2012	DAVID VACLAV HORAK	11/26/2012	ALI KHAKIFIROOZ	11/26/2012	SHOM PONOTH	11/26/2012	THEODORUS EDUARDUS STANDAERT	11/26/2012	CHIH-CHAO YANG	11/26/2012	CHARLES WILLIAM KOBURGER III	12/02/2012
Name	Execution Date																		
MARC ADAM BERGENDAHL	11/26/2012																		
KANGGUO CHENG	11/26/2012																		
DAVID VACLAV HORAK	11/26/2012																		
ALI KHAKIFIROOZ	11/26/2012																		
SHOM PONOTH	11/26/2012																		
THEODORUS EDUARDUS STANDAERT	11/26/2012																		
CHIH-CHAO YANG	11/26/2012																		
CHARLES WILLIAM KOBURGER III	12/02/2012																		
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																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13735315</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13735315														
Property Type	Number																		
Application Number:	13735315																		
CORRESPONDENCE DATA																			
Fax Number:	8458926363																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	845-894-8469																		
Email:	DONMICH@US.IBM.COM																		
Correspondent Name:	INTERNATIONAL BUSINESS MACHINES CORPORAT																		
Address Line 1:	BLDG. 321-482																		
Address Line 2:	2070 ROUTE 52																		
Address Line 4:	HOPEWELL JUNCTION, NEW YORK 12533																		

CH \$40.00 13735315

ATTORNEY DOCKET NUMBER:	FIS920120257US1
NAME OF SUBMITTER:	Yuanmin Cai
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 12 source=FIS920120257_IBM_SIGNEDASSGNMENT#page1.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page2.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page3.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page4.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page5.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page6.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page7.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page8.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page9.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page10.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page11.tif source=FIS920120257_IBM_SIGNEDASSGNMENT#page12.tif	

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 DIELECTRIC ISOLATION FOR FINFET DEVICES**

As a below named and undersigned 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 _____
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.

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, I ("ASSIGNOR") 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;

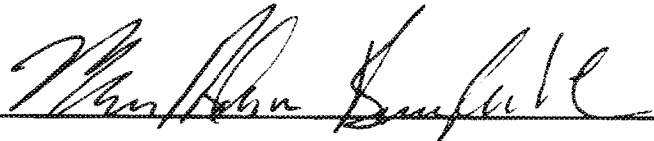
Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and 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 hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.


I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE 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 the ASSIGNEE, 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.

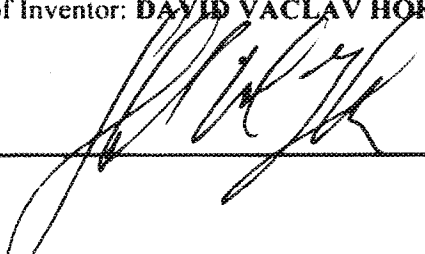
(1) Legal Name of Inventor: **MARC ADAM BERGENDAHL**

Signature:  Date: 11/26/12

(2) Legal Name of Inventor: **KANGGUO CHENG**

Signature:  Date: 11/26/2012

(3) Legal Name of Inventor: **DAVID VACLAV HORAK**

Signature:  Date: 11/26/2012

(4) Legal Name of Inventor: **ALI KHAKIFIROOZ**

Signature: _____ Date: _____

[ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

(5) Legal Name of Inventor: SHOM PONOTH

Signature: _____ Date: _____

(6) Legal Name of Inventor: THEODORUS EDUARDUS STANDAERT

Signature:  _____ Date: 11/26/2012

(7) Legal Name of Inventor: ~~CHIH-CHAO YANG~~ CHIH-CHAO YANG C.C.

Signature:  _____ Date: 11/30/2012

(8) Legal Name of Inventor: CHARLES WILLIAM KOBURGER III

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

Title of Invention: **SELF-ALIGNED DIELECTRIC ISOLATION FOR FINFET DEVICES**

As a below named and undersigned 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 _____
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.

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, I ("ASSIGNOR") 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 (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, 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 hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE 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 the ASSIGNEE, 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: **MARC ADAM BERGENDAHL**

Signature: _____ Date: _____

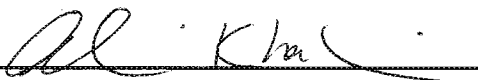
(2) Legal Name of Inventor: **KANGGUO CHENG**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **DAVID VACLAV HORAK**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **ALI KHAKIFIROOZ**

Signature:  Date: 11/26/2012

[ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

(5) Legal Name of Inventor: **SHOM PONOTH**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **THEODORUS EDUARDUS STANDAERT**

Signature: _____ Date: _____

(7) Legal Name of Inventor: **CHIH-CHAO YANG**

Signature: _____ Date: _____

(8) Legal Name of Inventor: **CHARLES WILLIAM KOBURGER III**

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

Title of Invention: **SELF-ALIGNED DIELECTRIC ISOLATION FOR FINFET DEVICES**

As a below named and undersigned 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 _____
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.

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, I ("ASSIGNOR") 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 (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, 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 hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE 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 the ASSIGNEE, 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: **MARC ADAM BERGENDAHL**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **KANGGUO CHENG**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **DAVID VACLAV HORAK**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **ALI KHAKIFIROOZ**

Signature: _____ Date: _____

[ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

(5) Legal Name of Inventor: **SHOM PONOTH**

Signature: _____  Date: 11/26/2012

(6) Legal Name of Inventor: **THEODORUS EDUARDUS STANDAERT**

Signature: _____ Date: _____

(7) Legal Name of Inventor: **CHIIH-CHAO YANG**

Signature: _____ Date: _____

(8) Legal Name of Inventor: **CHARLES WILLIAM KOBURGER III**

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

Title of Invention: **SELF-ALIGNED DIELECTRIC ISOLATION FOR FINFET DEVICES**

As a below named and undersigned 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 _____
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.

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, I ("ASSIGNOR") 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 (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, 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 hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE 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 the ASSIGNEE, 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: **MARC ADAM BERGENDAHL**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **KANGGUO CHENG**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **DAVID VACLAV HORAK**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **ALI KHAKIFIROOZ**

Signature: _____ Date: _____

[ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

(5) Legal Name of Inventor: **SHOM PONOTH**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **THEODORUS EDUARDUS STANDAERT**

Signature: _____ Date: _____

(7) Legal Name of Inventor: **CHIH-CHAO YANG**

Signature: _____ Date: _____

(8) Legal Name of Inventor: **CHARLES WILLIAM KOBURGER III**

Signature: Charles William Koburger III Date: Dec 2, 2012