

TO: MATTHEW W. BACA COMPANY: 11400 BURNET RD.

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.103/22/2010
501126132

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>IBRAHIM M. ELFADEL</td><td>12/23/2009</td></tr><tr><td>TAREK ALI EL MOSELHY</td><td>12/29/2009</td></tr><tr><td>DAVID J WIDIGER</td><td>01/25/2010</td></tr></tbody></table>		Name	Execution Date	IBRAHIM M. ELFADEL	12/23/2009	TAREK ALI EL MOSELHY	12/29/2009	DAVID J WIDIGER	01/25/2010				
Name	Execution Date												
IBRAHIM M. ELFADEL	12/23/2009												
TAREK ALI EL MOSELHY	12/29/2009												
DAVID J WIDIGER	01/25/2010												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>INTERNATIONAL BUSINESS MACHINES CORPORATION</td></tr><tr><td>Street Address:</td><td>NEW ORCHARD ROAD</td></tr><tr><td>Internal Address:</td><td>IBM-INTELLECTUAL PROPERTY LAW</td></tr><tr><td>City:</td><td>ARMONK</td></tr><tr><td>State/Country:</td><td>NEW YORK</td></tr><tr><td>Postal Code:</td><td>10504</td></tr></table>		Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION	Street Address:	NEW ORCHARD ROAD	Internal Address:	IBM-INTELLECTUAL PROPERTY LAW	City:	ARMONK	State/Country:	NEW YORK	Postal Code:	10504
Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION												
Street Address:	NEW ORCHARD ROAD												
Internal Address:	IBM-INTELLECTUAL PROPERTY LAW												
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>12648456</td></tr></tbody></table>		Property Type	Number	Application Number:	12648456								
Property Type	Number												
Application Number:	12648456												
CORRESPONDENCE DATA													
Fax Number: (512)973-4257 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 5122885145													
Email: STEPH@US.IBM.COM													
Correspondent Name: MATTHEW W. BACA													
Address Line 1: 11400 BURNET RD.													
Address Line 2: IBM-INTELLECTUAL PROPERTY LAW													
Address Line 4: AUSTIN, TEXAS 78758													
ATTORNEY DOCKET NUMBER:	AUS920090239US1												
NAME OF SUBMITTER:	MATTHEW W. BACA												
Total Attachments: 6													

CH \$40.00 12648456

2010-04-01 14:52

USPTO

usaulyb 512-973-4257 >>
3/26/2010 7:40:42 AM PAGE 4/010

USPTO P 3/9
Fax Server

TO:MATTHEW W. BACA COMPANY:11400 BURNET RD.

source=AUS920090239US1_Assignment_AUS920090239_after_MP#page1.tif
source=AUS920090239US1_Assignment_AUS920090239_after_MP#page2.tif
source=AUS920090239US1_Assignment_AUS920090239_after_MP#page3.tif
source=AUS920090239US1_Assignment_AUS920090239_after_MP#page4.tif
source=AUS920090239US1_Assignment_AUS920090239_after_MP#page5.tif
source=AUS920090239US1_Assignment_AUS920090239_after_MP#page6.tif

2009-12-23 14:17

USYKTL35

914-945-4254 >>

512-973-4257 P 2/5

IBM DOCKET NUMBER: AUS920090239US1

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: **Generating Capacitance Look-up Tables for Wiring Patterns in the Presence of Metal Fills**

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application Number: 12/648,456 (insert series code and serial number here if/when available)

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, assigns, and otherwise transfers 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.

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 Serial 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.

[Inventor Signature Pages Follow]

2009-12-23 14:17

USYKTL35

914-945-4254 >>

512-973-4257 P 3/5

IBM DOCKET NUMBER: AUS920090239US1

Executed by Inventor 1 of 3

Signature: 

Ibrahim M. Elfadel

Date:

12/23/09

Executed by Inventor 2 of 3

Signature: _____

Tarek Ali El Moselhy

Date: _____

Executed by Inventor 3 of 3

Signature: _____

David J. Widiger

Date: _____

IBM DOCKET NUMBER: AUS920090239US1

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: **Generating Capacitance Look-up Tables for Wiring Patterns in the Presence of Metal Fills**

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application Number: 12/648,456 (insert series code and serial number here if/when available)

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, assigns, and otherwise transfers 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.

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 Serial 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.

[Inventor Signature Pages Follow]

IBM DOCKET NUMBER: AUS920090239US1

Executed by Inventor 1 of 3


Signature: _____

Ibrahim M. Elfadel

Date: _____

Executed by Inventor 2 of 3

Signature: _____



Tarek Ali El Moselhy

Date: 12/29/09

Executed by Inventor 3 of 3

Signature: _____

David J. Widiger

Date: _____

IBM DOCKET NUMBER: AUS920090239US1

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: **Generating Capacitance Look-up Tables for Wiring Patterns in the Presence of Metal Fills**

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Application Number: 12/648,456 (insert series code and serial number here if/when available)

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, assigns, and otherwise transfers 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.

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 Serial 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.

[Inventor Signature Pages Follow]

IBM DOCKET NUMBER: AUS920090239US1

Executed by Inventor 1 of 3

Signature: Ibrahim M. ElfadelDate:

Executed by Inventor 2 of 3

Signature: Tarek Ali El MoselhyDate:

Executed by Inventor 3 of 3

Signature: David J. WidigerDate: 1/25/2010