PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ibrahim M. Elfadel	09/25/2009
Lewis William Dewey III	09/25/2009
Tarek A. El-Moselhy	09/25/2009
David J. Widiger	09/24/2009
Patrick M. Williams	09/30/2009

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:	12570418

CH $40.00 12570418

CORRESPONDENCE DATA

Fax Number: (845)892-6363
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Address Line 1: BLDG. 321-482
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Address Line 4: HOPEWELL JUNCTION, NEW YORK 12533

ATTORNEY DOCKET NUMBER:	FIS920090137US1
NAME OF SUBMITTER:	H. Daniel Schnurmann

Total Attachments: 24
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IBM DOCKET NUMBER: FIS920090137US1

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: METHOD FOR DETERMINING THE CAPACITANCE GRADIENTS IN VLSI CHIP LAYOUTS USING A SHAPE PROCESSING ENGINE

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:

Serial Number: _____ (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.

IBM DOCKET NUMBER: **FIS920090137US1**

Executed by Inventor 1 of _5__

Signature: _____ Date: 09/25/09

Ibrahim M. Elfadel

IBM DOCKET NUMBER: **FIS920090137US1**

Executed by Inventor 2 of _5__

Signature: _____ Date: _____

William L. Dewey, III

IBM DOCKET NUMBER: FIS920090137US1

Executed by Inventor 3 of 5

Signature: _____ Date: _____

Tarek A. El-Moselhy

PATENT
REEL: 023309 FRAME: 0577

IBM DOCKET NUMBER: **FIS920090137US1**

Executed by Inventor 4 of 5

Signature: _____ Date: _____

David J. Widiger

IBM DOCKET NUMBER: **FIS920090137US1**

Executed by Inventor 5 of 5

Signature: _____ Date: _____

Alwood P. Williams, III

REEL: 023309 FRAME: 0579

IBM DOCKET NUMBER: **FIS920090137US1**

ASSIGNMENT

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PATENT
REEL: 023309 FRAME: 0580

Executed by Inventor 1 of 5

Signature: _____ Date: _____

Ibrahim M. Elfadel

PATENT
REEL: 023309 FRAME: 0581

IBM DOCKET NUMBER: **FIS920090137US1**

Executed by Inventor 2 of 5

Signature: Lewis William Dewey III Date: 9/25/2009

~~William L. Dewey~~, III

Lewis William IWD

PATENT
REEL: 023309 FRAME: 0582

Executed by Inventor 3 of 5

Signature: _____ Date: _____

Tarek A. El-Moselhy

PATENT
REEL: 023309 FRAME: 0583

Executed by Inventor 4 of 5

Signature: _____ Date: _____

David J. Widiger

PATENT
REEL: 023309 FRAME: 0584

Executed by Inventor 5 of 5

Signature: Patrick M. Williams Date: 9/30/09

~~Alwood P. Williams, III~~

PATRICK M. WILLIAMS

(PMW)

PATENT
REEL: 023309 FRAME: 0585

IBM DOCKET NUMBER: **FIS920090137US1**

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PATENT
REEL: 023309 FRAME: 0586

Executed by Inventor 1 of 5

Signature: _____ Date: _____

Ibrahim M. Elfadel

PATENT
REEL: 023309 FRAME: 0587

Executed by Inventor 2 of 5

Signature: _____ Date: _____

William L. Dewey, III

PATENT
REEL: 023309 FRAME: 0588

Executed by Inventor 3 of 5

Signature: T. Moselhy Date: 09/25/09

Tarek A. El-Moselhy

Executed by Inventor 4 of 5

Signature: _____ Date: _____

David J. Widiger

PATENT
REEL: 023309 FRAME: 0590

Executed by Inventor 5 of 5

Signature: _____ Date: _____

Alwood P. Williams, III

PATENT
REEL: 023309 FRAME: 0591

IBM DOCKET NUMBER: FIS920090137US1

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IBM DOCKET NUMBER: FIS920090137US1

Executed by Inventor 1 of _5__

Signature: _____ Date: _____

Ibrahim M. Elfadel

PATENT
REEL: 023309 FRAME: 0593

IBM DOCKET NUMBER: FIS920090137US1

Executed by Inventor 2 of 5

Signature: _____ Date: _____

William L. Dewey, III

PATENT
REEL: 023309 FRAME: 0594

IBM DOCKET NUMBER: FIS920090137US1

Executed by Inventor 3 of 5

Signature: _____ Date: _____

Tarek A. El-Moselhy

IBM DOCKET NUMBER: FIS920090137US1

Executed by Inventor 4 of 5

Signature: _____ Date: 9-24-2009

David J. Widiger

PATENT
REEL: 023309 FRAME: 0596

IBM DOCKET NUMBER: FIS920090137US1

Executed by Inventor 5 of 5

Signature: _____ Date: _____

Alwood P. Williams, III

RECORDED: 10/01/2009

PATENT

REEL: 023309 FRAME: 0597