

FORM PTO-1595

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**1. Name of conveying party(ies):**Ibrahim M. Elfadel, Hao Ming Huang,  
Albert E. Ruehli**Additional name(s) of conveying party(ies)  
attached?** Yes  No**3. Nature of conveyance:** Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: February 17, 2006

**2. Name and address of receiving party(ies)**Name: International Business Machines  
Corporation**Internal Address:**

Street Address: New Orchard Road

City: Armonk State: NY ZIP: 10504

Additional name(s) & address(es) attached?  Yes  No**4. Application number(s) or patent number(s):**

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 11/356,637, Filed February 17, 2006 B. Patent No.(s)

Additional numbers attached?  Yes  No**5. Name and address of party to whom  
correspondence concerning document should be  
mailed:**Name: Kevin M. Mason  
Internal Address: Ryan, Mason & Lewis, LLP  
Street Address: 1300 Post Road, Suite 205  
City: Fairfield State: CT ZIP: 06824**6. Total number of applications and patents  
involved: 1**7. Total Fee (37 CFR 3.41)..... \$ 40.00 Enclosed Authorized to be charged to deposit account

8. Deposit account number 50-0510

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**9. Statement and signature.***To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy  
is a true copy of the original document.*

Kevin M. Mason

Reg. No. 36,597



Signature

March 1, 2006

Date

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YOR920050546US1

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**PATENT**  
**REEL: 017305 FRAME: 0233**

CH \$40.00 500510 11356637

Attorney Docket No.: YOR920050546US1

**ASSIGNMENT**

Whereas, we

Inventor  
and City

- (1) **Ibrahim M. Elfadel** of Ossining  
County of Westchester and State of New York
- (2) **Hao Ming Huang** of Katonah  
County of Westchester and State of New York
- (3) **Albert E. Ruehli** of Chappaqua  
County of Westchester and State of New York

have invented certain improvements in

**TITLE METHODS AND APPARATUS FOR PREDICTING CONVERGENCE OF A  
TRANSVERSAL WAVEFORM RELAXATION ALGORITHM**

executed by me on even date herewith,

DATE THAT INVENTORS SIGNED THE DECLARATION (1) 2/17/2006, 2006 (2) 2/17/, 2006 (3) 2/17/, 2006.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor.

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed  
CITY (1) at Yorktown, NY  
DATE on 2/17, 2006, (Ibrahim M. Elfadel) INVENTOR SIGNATURE

Ibrahim M. Elfadel  
FIRST NAME MIDDLE INITIAL LAST NAME

Attorney Docket No.: YOR920050546US1

CITY and Signed  
 DATE on (2) at Yorktown, NY \_\_\_\_\_ SIGNATURE  
 on 2/17, 2006, (Hao Ming Huang) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME

CITY and Signed  
 DATE on (3) at Yorktown, NY \_\_\_\_\_ SIGNATURE  
 on 2/17, 2006, (Albert E. Ruehli) INVENTOR  
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