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To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Anthony Correale, Jr. Ruchir Puri David S. Kung Douglass T. Lamb Zhigang D. Pan Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

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 [X] No

3. Nature of conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: 11/18/2003, 11/19/2003, 3/8/2004

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) 10/720,562 B. Patent No.(s) Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Charles W. Peterson, Jr. Law Office of Charles W. Peterson, Jr. Internal Address: Street Address: P.O. Box 710627 City: Oak Hill State: Virginia Zip: 20171

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41). . . . . \$ 40.00 [ ] Enclosed [X] Authorized to be charged to deposit account 8. Deposit account number: 50-0510 (Attach duplicate copy of this page if paying by deposit account)

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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. Charles W. Peterson, Jr. Signature Date March 12, 2004 Total number of pages including cover sheet, attachments, and documents: 8

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

CH \$40.00 500510 10720562

IBM Docket No: YOR920030359US1

# Assignment

INVENTOR AND CITY	Whereas, I  Anthony Correale, Jr. County of Wake  David S. Kung County of Westchester  Douglass T. Lamb County of Wake  Zhigang, Pan County of Travis  Ruchir Puri County of Westchester	of Raleigh. and State of North Carolina  of Chappaqua and State of New York  of Cary and State of North Carolina  of Austin and State of Texas  of Peekskill, and State of New York
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have invented certain improvements in

TITLE     **METHOD AND PROGRAM PRODUCT OF LEVEL CONVERTER OPTIMIZATION**

and executed herewith, a United States patent application therefor;

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at 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 applications 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 and sealed

CITY AND DATE at \_\_\_\_\_  
on \_\_\_\_\_, 2003,

\_\_\_\_\_  
Anthony Correale, Jr.  
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

Signed and sealed

CITY AND DATE at November 18,  
on \_\_\_\_\_, 2003,

David S. Kung  
\_\_\_\_\_  
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

Signed and sealed

CITY AND DATE at \_\_\_\_\_  
on \_\_\_\_\_, 2003,

\_\_\_\_\_  
Douglass T. Lamb  
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

Signed and sealed

CITY AND DATE at \_\_\_\_\_  
on \_\_\_\_\_, 2003,

\_\_\_\_\_  
Zhigang Pan  
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

Signed and sealed

CITY AND DATE at November 18,  
on \_\_\_\_\_, 2003,

Ruehr Puri  
\_\_\_\_\_  
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

IBM Docket No: YOR920030359US1

### ***Assignment***

INVENTOR AND CITY	Whereas, I	
	Anthony Correale, Jr. County of Wake	of Raleigh. and State of North Carolina
	David S. Kung County of Westchester	of Chappaqua and State of New York
	Douglass T. Lamb County of Wake	of Cary and State of North Carolina
	Zhigang. Pan County of Travis	of Austin and State of Texas
	Ruchir Puri County of Westchester	of Peekskill, and State of New York

have invented certain improvements in

**TITLE**            **METHOD AND PROGRAM PRODUCT OF LEVEL CONVERTER OPTIMIZATION**  
  
and filed therefor United States patent application Serial No. 10/720,562 on November 24, 2003 ;

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at 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 applications 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 and sealed  
CITY AND at RTP, NC  
DATE on 3-5, 2003  
4

Anthony Correale, Jr. SIGNATURE  
Anthony MIDDLE INITIAL Correale, Jr. LAST NAME  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY AND at \_\_\_\_\_  
DATE on \_\_\_\_\_, 2003,

\_\_\_\_\_  
David S. Kung SIGNATURE  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY AND at RTP, NC  
DATE on 3-5, 2003  
4

Douglass T. Lamb SIGNATURE  
Douglass T. Lamb  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY AND at \_\_\_\_\_  
DATE on \_\_\_\_\_, 2003,

\_\_\_\_\_  
Zhigang Pan SIGNATURE  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY AND at \_\_\_\_\_  
DATE on \_\_\_\_\_, 2003,

\_\_\_\_\_  
Ruchir Puri SIGNATURE  
FIRST NAME MIDDLE INITIAL LAST NAME

IBM Docket No: YOR920030359US1

## ***Assignment***

INVENTOR AND CITY	Whereas, I Anthony Correale, Jr. County of Wake	of Raleigh. and State of North Carolina
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	Douglass T. Lamb County of Wake	of Cary and State of North Carolina
	Zhigang. Pan County of Travis	of Austin and State of Texas
	Ruchir Puri County of Westchester	of Peekskill, and State of New York

have invented certain improvements in

TITLE      **METHOD AND PROGRAM PRODUCT OF LEVEL CONVERTER OPTIMIZATION**

and executed herewith, a United States patent application therefor;

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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 applications 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 and sealed

CITY AND at \_\_\_\_\_  
DATE on \_\_\_\_\_, 2003,

\_\_\_\_\_  
SIGNATURE  
Anthony Correale, Jr.  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed

CITY AND at \_\_\_\_\_  
DATE on \_\_\_\_\_, 2003,

\_\_\_\_\_  
SIGNATURE  
David S. Kung  
FIRST NAME MIDDLE INITIAL LAST NAME

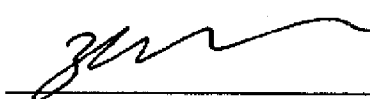
Signed and sealed

CITY AND at \_\_\_\_\_  
DATE on \_\_\_\_\_, 2003,

\_\_\_\_\_  
SIGNATURE  
Douglass T. Lamb  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed

CITY AND at Austin, Texas  
DATE on 11/19, 2003,

  
\_\_\_\_\_  
SIGNATURE  
Zhigang Pan  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed

CITY AND at \_\_\_\_\_  
DATE on \_\_\_\_\_, 2003,

\_\_\_\_\_  
SIGNATURE  
Ruchir Puri  
FIRST NAME MIDDLE INITIAL LAST NAME