




FORM PTO-1595 (Rev. 6-93)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office							
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.											
1. Name of conveying party(ies): Albert X. Widmer Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: January 12, 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) 10/666,285, Filed September 19, 2003 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Robert J. Mauri 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: <u>1</u> 7. Total Fee (37 CFR 3.41)..... \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number 50-0510								
DO NOT USE THIS SPACE											
9. Statement and signature. <i>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.</i> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;">Robert J. Mauri</td> <td style="width: 40%; border: none; text-align: center;"></td> <td style="width: 30%; border: none; text-align: right;">January 13, 2004</td> </tr> <tr> <td style="border: none;">Reg. No. 41,180</td> <td style="border: none; text-align: center;">Signature</td> <td style="border: none; text-align: right;">Date</td> </tr> </table> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and document: <u>2</u></p>						Robert J. Mauri		January 13, 2004	Reg. No. 41,180	Signature	Date
Robert J. Mauri		January 13, 2004									
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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments Washington, DC 20231 <small>Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC, 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.</small>											

YOR920030040US1

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 PATENT
 REEL: 014255 FRAME: 0824

CH \$40.00 500610 10666285

Attorney Docket No. YOR920030040US1

ASSIGNMENT

Whereas, I

Inventor
and City

(1) Albert X. Widmer
County of Westchester

of Katonah
and State of New York

have invented certain improvements in

TITLE

**5B/6B-T, 3B/4B-T AND PARTITIONED 8B/10B-T AND 10B/12B TRANSMISSION
CODES, AND THEIR IMPLEMENTATION FOR HIGH OPERATING RATES**

Described in United States patent application Serial No. 10/666,285, filed on September 19, 2003 and
executed on

DATE THAT
INVENTOR
SIGNED THE
DECLARATION

(1) Jan. 12, 2003. 2004

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, I 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I 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 Heights, NY Albert X. Widmer SIGNATURE
DATE on Jan. 12, 2003, 2004 (Albert X. Widmer) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME