

02-01-1999

FORM PT O-159

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1. Name of conveying party(ies): **Jose A. Tierno**  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

*W&D*  
*1-21-99*

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

U.S. P  
09/234767

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: **January 20, 1999**

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:  
**January 20, 1999**

A. Patent Application No.(s) B. Patent No.(s)

*09 234767*

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed

Name: **William E. Lewis**  
Internal Address: **Ryan & Mason, L.L.P.**  
Street Address: **90 Forest Avenue**

City: **Locust Valley** State: **NY** ZIP: **11560**

6. Total number of applications and patents involved: 1

*40E*

7. Total Fee (37 CFR 3.41) ... \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number **50-0762**

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9. Statement and signature.  
FC:581 40.00 CH

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**William E. Lewis**  
Reg. No. 39,274

*William E. Lewis*  
Signature

**January 21, 1999**  
Date

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YO998-476

PATENT  
REEL: 9722 FRAME: 0032

**ASSIGNMENT**

Whereas, I

Inventor  
and City

(1) **Jose A. Tierno**  
County of Fairfield

of Stamford  
and State of Connecticut

have invented certain improvements in

**TITLED METHODS AND APPARATUS FOR TIMING RECOVERY FROM A SAMPLED  
AND EQUALIZED DATA SIGNAL**

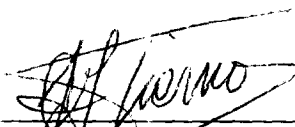
and executed a United States patent application therefor on

DATE THAT INVENTOR  
SIGNED THE  
DECLARATION (1) *Jan 20<sup>th</sup>* 1999

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;

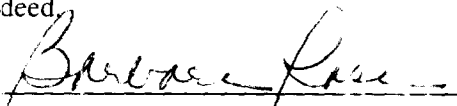
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign 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 and Sealed  
CITY (1) at Yorktown Heights, NY  
DATE on *Jan 20*, 1999

  
\_\_\_\_\_  
(Jose A. Tierno) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

State of New York ) ss.:  
County of Westchester )

On this *20<sup>th</sup>* day of *January* 1999, before me personally came  
INVENTOR **Jose A. Tierno** to me personally known, and known to me to be the person  
(1) described in and who executed the foregoing assignment, and he acknowledged to  
me that he executed the same as his free act and deed.

  
\_\_\_\_\_  
Notary  
**BARBARA RASA**  
Notary Public, State of New York  
No 4973785  
In Westchester & Dutchess Counties  
Commission Expires October 23, 2000

Ryan & Mason, L.L.P.  
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