Compared and the second and the seco	a>
To the Honorage Commissioner of Pa. 101735	5234
1. Name of conveying party(ies): Jonathan Darrel Coker Richard Leo Galbraith 05/2//0/ Eric James Tree Additional name(s) of conveying party(ies) attached? Pres No	2. Name and address of receiving party(ies): Name: International Business Machines Corporation Internal Address:
3. Nature of conveyance:	Street Address: New Orchard Road
⊠ Assignment □ Merger	City: <u>Armonk</u> State: <u>New York</u> ZIP: <u>10504</u>
<ul> <li>Security Agreement</li> <li>Change of Name</li> <li>Other</li> <li>Execution Date: May 15 and 17, 2001</li> </ul>	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 application is: May 15 and 17, 2001	n new application, the execution date of the
a. Patent Application No.(s) ROC920010066US1 Additional numbers attached? Yes D No 🗵	b. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed:	
Name: Joan Pennington	6. Total number of applications and patents involved: <b>1</b>
Internal Address: Unit 1804	7. Total fee (37 CFR 3.41) \$ 40.00 □ Enclosed ⊠ Authorized to be charged to deposit account
Street Address:	Enclosed
	<ul> <li>Enclosed</li> <li>Authorized to be charged to deposit account</li> <li>8. Deposit account number:</li> <li>09-0465 of IBM Corporation</li> </ul>
Street Address: <u>535 North Michigan Avenue</u> City: <u>Chicago</u> State: <u>IL</u> ZIP: <u>60611</u> 9. Statement and signature.	<ul> <li>Enclosed</li> <li>Authorized to be charged to deposit account</li> <li>8. Deposit account number:</li> </ul>
Street Address: <u>535 North Michigan Avenue</u> City: <u>Chicago</u> State: <u>IL</u> ZIP: <u>60611</u> 9. Statement and signature. To the best of my knowledge and belief, the foregoing inform of the original document. <u>Joan Pennington</u> MMMMM	<ul> <li>□ Enclosed</li> <li>☑ Authorized to be charged to deposit account</li> <li>8. Deposit account number:         <ul> <li></li></ul></li></ul>

PATENT REEL: 011842 FRAME: 0503

## ASSIGNMENT

## Whereas, we

(1)	Jonathan Darrel Coker County of Olmsted	City of Rochester, and State of Minnesota,
(2)	Richard Leo Galbraith County of Olmsted	City of Rochester, and State of Minnesota,
(3)	Eric James Tree County of Olmsted	City of Rochester, and State of Minnesota,

have invented certain improvements in

## METHOD AND APPARATUS FOR CHANNEL EQUALIZATION WITH A DIGITAL FIR FILTER USING A PSEUDO RANDOM SEQUENCE

and have executed, respectively, a United States patent application therefor on

Dates Inventors Signed Declar-			
ation	(1) <sub>May</sub> 17 (3) <sub>May 17</sub>	,2001 (2) May 15 ,2001	, 2001

And 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;

## Docket No. ROC920010066US1

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 invention 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.

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Inventor	at Rochester, MN		pit hunger	Inventor
(1)	on_May 17,	2001.	(Jonathan Darrel Coker) First Name Initial Last Name	Signature
Inventor	at Rochester, MN		Rind Leo Dolbri	
(2)	on May 15,	2001.	(Richard Leo Galbraith) First Name Initial Last Name	Signature
Inventor	/ at <u>Rochester, MN</u>		(Eric James Tree)	Inventor
(3)	on_May 17,,	2001.	First Name Initial Last Name	Signature