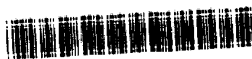


09-04-1998

cket No. Y0998-156

RECORD.



100810261

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

14500 U.S. PTO
09/14/98
08/26/98

1. Name of conveying party(ies): Allan H. Dansky Alina Deutsch Gerard V. Kopcsay Phillip J. Restle Howard H. Smith Additional name(s) of conveying party(ies) attached? <u>Yes</u> <input checked="" type="checkbox"/> <u>No</u>	2. Name and address of receiving party(ies): Name: IBM Corporation Address: New Orchard Road Armonk, NY 10504 Additional name(s) & addresses attached? <u>Yes</u> <input checked="" type="checkbox"/> <u>No</u>
3. Nature of conveyance: <u>X</u> Assignment Execution Date(s): <u>8/12/98</u> , <u>8/24/98</u> , <u>8/25/98</u>	4. Patent Application number(s) Serial No. Filed: Execution Date(s): <u>8/12/98</u> , <u>8/24/98</u> , <u>8/25/98</u>
5. Name and address of party to whom correspondence concerning document should be mailed: Name: John S. Sensny Address: SCULLY, SCOTT, MURPHY & PRESSER 400 Garden City Plaza Garden City, N.Y. 11530	6. Total number of applications involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <u>X</u> Charge to Deposit Account No.: <u>09-0468</u>

DO NOT USE THIS SPACE

8. 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 original document.

Daniel P. Morris

Name of Person Signing Reg. No. 32,053 Signature Date 8/26/98

DO NOT DETACH THIS PORTION

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, DC 20231

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.

Assignment

Whereas, we

Inventor and City	(1) Allan H. Dansky County of Dutchess	of Poughkeepsie and State of New York
	and (2) Alina Deutsch County of Westchester	of Chappaqua and State of New York
	and (3) Gerard V. Kopcsay County of Westchester	of Yorktown Heights and State of New York
	and (4) Phillip J. Restle County of Westchester	of Katonah and State of New York
	and (5) Howard H. Smith County of Dutchess	of Beacon and State of New York
	and (6) County of	of and State of

have invented certain improvements in

SYSTEM AND METHOD FOR REDUCING CALCULATION COMPLEXITY OF LOSSY, FREQUENCY-DEPENDENT TRANSMISSION-LINE COMPUTATION

and executed, respectively, a United States patent application therefor on
DATES THAT (1) August 12, 1998, and (2) August 24, 1998, and (3) August 25, 1998, and
INVENTORS (4) August 25, 1998, and (5) August 12, 1998, and (6) 19__
SIGNED THE
DECLARATION

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 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.

CITY	(1) at Poughkeepsie, N.Y.	Signed and sealed	_____	SIGNATURE
DATE	on August 12, 1998	(Allan H. Dansky)	Dansky	INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY	and (2) at Yorktown, N.Y.	Signed and sealed	_____	SIGNATURE
DATE	on August 24, 1998	(Alina Deutsch)	Deutsch	INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY	and (3) at Yorktown, N.Y.	Signed and sealed	_____	SIGNATURE
DATE	on August 25, 1998	(Gerard V. Kopcsay)	Kopcsay	INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY	and (4) at Yorktown, N.Y.	Signed and sealed	_____	SIGNATURE
DATE	on August 25, 1998	(Phillip J. Restle)	Restle	INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY	and (5) at Poughkeepsie, N.Y.	Signed and sealed	_____	SIGNATURE
DATE	on 8/12/98	(Howard H. Smith)	Smith	INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME
CITY	and (6) at	Signed and sealed	_____	SIGNATURE
DATE	on 19__	()		INVENTOR
		FIRST NAME	MIDDLE INITIAL	LAST NAME

State of New York) SS.:
County of Dutchess)

INVENTOR (1) On this 12th day of August 1998, before me personally came Allan H. Dansky to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Patricia L. Chaney
Notary

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

INVENTOR (2) On this 24th day of August 1998, before me personally came Alina Deutsch to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Sandra M. Emma
Notary
Sandra M. Emma
Notary Public, State of New York
No. 01PO4935290
Qualified in Dutchess County
Commission Expires Aug. 31, 2000

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

INVENTOR (3) On this 25th day of August 1998, before me personally came Gerard V. Kopcsay to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Sandra M. Emma
Notary
Sandra M. Emma
Notary Public, State of New York
No. 01PO4935290
Qualified in Westchester County
Commission Expires July 5, 2002

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

INVENTOR (4) On this 25th day of August 1998, before me personally came Phillip J. Restle to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Sandra M. Emma
Notary
Sandra M. Emma
Notary Public, State of New York
No. 01PO4935290
Qualified in Westchester County
Commission Expires July 5, 2002

State of New York) SS.:
County of Dutchess)

INVENTOR (5) On this 12th day of August 1998, before me personally came Howard H. Smith to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Sandra M. Emma
Notary
Sandra M. Emma
Notary Public, State of New York
No. 01PO4935290
Qualified in Westchester County
Commission Expires July 5, 2002

State of) SS.:
County of)

INVENTOR (6) On this _____ day of _____ 19____, before me personally came _____ to me personally know, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Patricia L. Chaney
Notary
PATRICIA L. CHANEY
Notary Public, State of New York
No. 452713
Qualified in Dutchess County
Commission Expires Aug 31, 2000

Notary

PATENT