

04-23-1998

"EXPRESS MAIL" LABEL NO. EM526134096

DATE OF DEPOSIT: March 25, 1998

Atty. Docket No. YO998-010



100692064

REGISTRATION FORM COVER SHEET
PATENTS ONLY

JCS57 U.S. PTO
09/04/721
03/25/98

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

<p>1. Name of conveying party(ies):</p> <p>STEVEN R. ABRAMS, DANIEL V. OPPENHEIM, DONALD P. PAZEL, JAMES L. WRIGHT</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: IBM Corporation Address: Old Orchard Road Armonk, NY 10504</p> <p>Additional name(s) & addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment</p> <p>Execution Date(s): <u>March 25, 1998</u></p>	<p>4. Patent Application number(s)</p> <p>Execution Date(s): <u>March 25, 1998</u></p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Stephen C. Kaufman Address: IBM Corporation Intellectual Property Law P.O. Box 218 Yorktown Heights, NY 10598</p>	<p>6. Total number of applications involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Charge to Deposit Account No.: <u>09-0468</u> (A duplicate copy of this sheet is enclosed)</p>

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.

Stephen C. Kaufman *Stephen C. Kaufman* March 25, 1998

Name of Person Signing Reg. No. 29,551	Signature	Date
---	-----------	------

Total number of pages including cover sheet, attachments, and document: 3

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.

04/21/1998 STEWART 00000064 090468 09047721
Sale Ref: 00000064 DAB: 090468 09047721
01 FC:581 40.00 CH

(JOINT FORM)
(MORE THAN TWO)

(IBM Docket Y0998-010)

Assignment

Whereas, we

Inventor and City	(1) Steven R. Abrams County of Rockland	of New City and State of New York
	and (2) Daniel V. Oppenheim County of Westchester	of Croton-on-Hudson and State of New York
	and (3) Donald P. Pazel County of Westchester	of Montrose and State of New York
	and (4) James L. Wright County of Westchester	of Chappaqua and State of New York


have invented certain improvements in

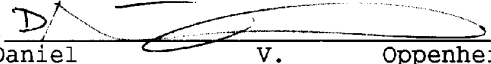
TITLE A SYSTEM AND METHOD FOR TRANSPOSING A REPRESENTATION OF MUSICAL PITCHES WHILE MAINTAINING CONFORMITY TO A HARMONIC RULE-BASE


and executed, respectively, a United States patent application therefor on
DATES THAT INVENTORS SIGNED THE DECLARATION (1) March 25, 1998, and (2) March 25, 1998, and (3) March 25, 1998, and (4) March 25, 1998.

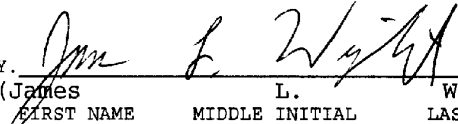
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to 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.

Signed and sealed
CITY (1) at Yorktown Heights, N.Y.  SIGNATURE
DATE on March 25, 1998, (Steven R. Abrams) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

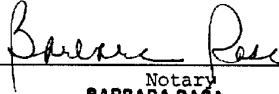
Signed and sealed
CITY and (2) at Yorktown Heights, N.Y.  SIGNATURE
DATE on March 25, 1998, (Daniel V. Oppenheim) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY and (3) at Yorktown Heights, N.Y.  SIGNATURE
DATE on March 25, 1998, (Donald P. Pazel) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY and (4) at Yorktown Heights, N.Y.  SIGNATURE
DATE on March 25, 1998, (James L. Wright) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

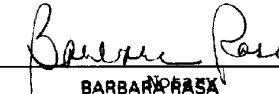
State of New York) SS.:
County of Westchester)

INVENTOR (1) On this 25th day of March 1998, before me personally came Steven R. Abrams to me personally known, 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.


Notary
BARBARA RASA
Notary Public, State of New York
No 4973785
In Westchester & Dutchess Counties
Commission Expires October 29, 1998

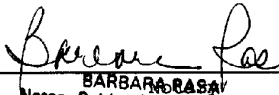
State of New York) SS.:
County of Westchester)

INVENTOR (2) On this 25th day of March 1998, before me personally came Daniel V. Oppenheim to me personally known, 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.


BARBARA RASA
Notary Public, State of New York
No 4973785
In Westchester & Dutchess Counties
Commission Expires October 29, 1998

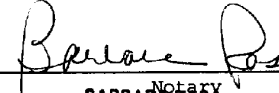
State of New York) SS.:
County of Westchester)

INVENTOR (3) On this 25th day of March 1998, before me personally came Donald P. Pazel to me personally known, 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.


BARBARA RASA
Notary Public, State of New York
No 4973785
In Westchester & Dutchess Counties
Commission Expires October 29, 1998

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

INVENTOR (4) On this 25th day of March 1998, before me personally came James L. Wright to me personally known, 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.


Notary
BARBARA RASA
Notary Public, State of New York
No 4973785
In Westchester & Dutchess Counties
Commission Expires October 29, 1998