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To The Honorable  
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and Trademarks:  
s or copy thereof.

1. Name of conveying party(ies):  Steven E. Millman Kevin W. Warren  Additional name(s) of conveying party(ies) attached? <u>Yes</u> <u>X</u> No	2. Name and address of receiving party(ies):  Name: IBM Corporation Address: Armonk, NY 10504  Additional name(s) & addresses attached? <u>Yes</u> <u>X</u> No
3. Nature of conveyance:  <u>X</u> Assignment  Execution Date(s): <u>3/20/98</u>	4. Patent Application number(s)  Serial No. Filed: Execution Date(s): <u>3/20/98</u>
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Jay P. Sbrollini Address: IBM Corporation Intellectual Property Law P.O. Box 218 Yorktown Heights, NY 10598	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>

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Jay P. Sbrollini

*3/23/98*

Name of Person Signing  
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Signature

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## Assignment

Whereas, we

INVENTOR (1) Steven E. Millman of Spring Valley  
AND CITY County of Rockland and State of New York

INVENTOR (2) Kevin W. Warren of Fishkill  
AND CITY County of Dutchess and State of New York

have invented certain improvements in

TITLE METHOD AND APPARATUS FOR CONTROLLING VIDEO REFRESH

DATES THAT and executed, respectively, a United States patent application  
INVENTORS therefor on (1) March 20, 1998 and (2) March 20, 1998  
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 applications 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 AND (1) at Yorktown, NY  
DATE on March 20, 1998, Steven E. Millman SIGNATURE  
( Steven E. Millman ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND (2) at Yorktown, NY  
DATE on March 20, 1998, Kevin W. Warren SIGNATURE  
( Kevin W. Warren ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

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

INVENTOR On this 20th day of March 1998, before me  
(1) personally came Steven E. Millman 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.

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

INVENTOR On this 20th day of March 1998, before me  
(2) personally came Kevin W. Warren 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.

Sandra M. Emma  
Notary  
SANDRA M. EMMA  
Notary Public, State of New York  
No. 01PO4935290  
In Westchester County  
Commission Expires July 5, 1998

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Notary  
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