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SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



Tab settings

To the Honorable Commissioner of F

100674902

he attached original documents or copy thereof.

1. Name of conveying party(ies):

**Barbara A. Hall**  
**Agnes Y. Ngai**  
**Edward F. Westermann**  
Charles J. Stein  
Everett G. Vail III

Additional names(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):

Name: **International Business Machines Corporation**

Address: **Old Orchard Road**

City: **Armonk**

State/Prov.: **NY**

Country: **U.S.A.**

ZIP: **10504**

Additional name(s) & address(es) attached?  Yes  No

10523 U.S. PTO  
09/04/121  
03/20/98

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: 3/19/98

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 03/19/98

Patent Application No.

Filing date

B. Patent No.(s)

EN998028

Additional numbers attached?  Yes  No

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

Name: **Kevin P. Radigan, Esq.**

Registration No. **31,789**

Address: **5 Columbia Circle**

City: **Albany**

State/Prov.: **NY**

Country: **U.S.A.**

ZIP: **12203**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):..... **\$ 40.00**

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

**09-0457**

(Attach duplicate copy of this page if paying by deposit account)

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03/19/98 55MTH 00000172 DA#:090457 09046121  
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9. 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 the original document.

**John R. Pivnichny, Ph.D.**, P-43,001

**03/20/98**

Name of Person Signing

Signature

3

Date

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

**A S S I G N M E N T**

Whereas, we

- (1) **Barbara A. Hall** , City of **Endwell** ,  
County of **Broome** , and State of **NY** ,
- and (2) **Agnes Y. Ngai** , City of **Endwell** ,  
County of **Broome** , and State of **NY** ,
- and (3) **Charles J. Stein** , City of **Peckville** ,  
County of **Lackawanna** , and State of **PA** ,
- and (4) **Everett G. Vail III** , City of **Binghamton** ,  
County of **Broome** , and State of **NY** ,
- and (5) **Edward F. Westermann** , City of **Endicott** ,  
County of **Broome** , and State of **NY** ,

have invented certain improvements in

**ADAPTIVELY ENCODING A PICTURE OF CONTRASTED COMPLEXITY HAVING  
NORMAL VIDEO AND NOISY VIDEO PORTIONS**

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

- (1) *3-19-1998* , and (2) *3-19-98* , and (3) *3-19-98* ,
- and (4) *3-19-98* , and (5) *3-19-98* .

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;

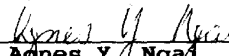
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign 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.

## SIGNED:

(1) at Endicott, NY ,  
on 3-19-98

  
\_\_\_\_\_  
Barbara A. Hall

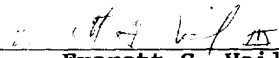
and (2) at Endicott, NY ,  
on 3-19-98

  
\_\_\_\_\_  
Agnes Y. Ngai

and (3) at Endicott, NY ,  
on 3-19-98

  
\_\_\_\_\_  
Charles J. Stein

and (4) at Endicott, NY ,  
on 3-19-98

  
\_\_\_\_\_  
Everett G. Vail III

and (5) at Endicott, NY ,  
on 3-19-98

  
\_\_\_\_\_  
Edward F. Westermann