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To the Assistant Commissic  
original documents or copy

record the attached

JC971 U.S. PTO  
10/180145  
06/25/02

1. Name of conveying party(ies):

- (1) Stephen B. Boston
- (2) Michael Wayne Brown
- (3) Andrew Douglas Hately
- (4) Michael A. Paolini

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

International Business  
Machines Corporation  
New Orchard Road  
Armonk, New York 10504

3. Nature of conveyance:

Assignment

Execution Date: (1) June 19, 2002 (2) June 20, 2002  
10/180145 (3) June 24, 2002 (4) June 20, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is June 19, 2002; June 20, 2002; June 24, 2002; June 20, 2002

A. Patent Application No. (s)

B. Patent No. (s)

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

Leslie A. Van Leeuwen  
IBM Corporation  
Intellectual Property Law  
Internal Zip 4054  
11400 Burnet Road  
Austin, TX 78758  
(512) 823-6746

6. Total number of applications and patents involved: 1

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

Authorized to be charged to deposit account

8. Deposit account number:

09-0447

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.

Leslie A. Van Leeuwen  
Leslie A. Van Leeuwen

Leslie A. Van Leeuwen  
Signature

6/25/02  
Date

07/12/2002 TBIAZ1 00000156 090447 10180145  
01 FC:581 40.00 CH

Total Pages 7

**ASSIGNMENT**

Whereas, we,

- (1) Stephen B. Boston of Cedar Park,  
County of Williamson and State of Texas;
- (2) Michael Wayne Brown of Georgetown,  
County of Williamson and State of Texas;
- (3) Andrew Douglas Hatley of Austin,  
County of Williamson and State of Texas;

and

- (4) Michael A. Paolini of Austin,  
County of Travis and State of Texas;

have invented certain improvement in

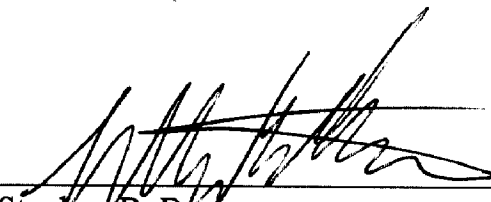
**PERSONAL VIDEO RECORDING WITH POOLS AND GROUPS**

and executed a United States patent application therefore on  
(Date Inventor Signed Declaration) (1) 6/19, 2002; (2) 6/20, 2002;  
(3) \_\_\_\_\_, 2002; (4) 6/20, 2002;


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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at Austin on 6/19, 2002.

  
\_\_\_\_\_  
Stephen B. Boston

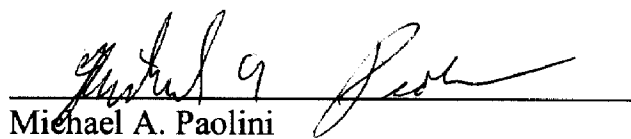
(2) Signed at Austin on 6/20, 2002.

  
\_\_\_\_\_  
Michael Wayne Brown

(3) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2002.

\_\_\_\_\_  
Andrew Douglas Hately

(4) Signed at Austin on 6-20, 2002.

  
Michael A. Paolini

IBM DOCKET NO. AUS920020325US1

**ASSIGNMENT**

Whereas, we,

- (1) Stephen B. Boston of Cedar Park,  
County of Williamson and State of Texas;
- (2) Michael Wayne Brown of Georgetown,  
County of Williamson and State of Texas;
- (3) Andrew Douglas Hatley of Austin,  
County of Williamson and State of Texas;

and

- (4) Michael A. Paolini of Austin,  
County of Travis and State of Texas;

have invented certain improvement in

**PERSONAL VIDEO RECORDING WITH POOLS AND GROUPS**

and executed a United States patent application therefor on

(Date Inventor Signed Declaration) (1) \_\_\_\_\_, 2002; (2) \_\_\_\_\_, 2002;  
(3) JUNE 24, 2002; (4) \_\_\_\_\_, 2002;

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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

IBM DOCKET NO. AUS920020325US1

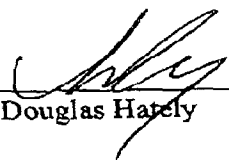
(1) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2002.

\_\_\_\_\_  
Stephen B. Boston

(2) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2002.

\_\_\_\_\_  
Michael Wayne Brown

(3) Signed at <sup>USA</sup> ~~JUNE~~ HORSLEY ENGLAND on JUNE 24, 2002.

  
\_\_\_\_\_  
Andrew Douglas Hatley

IBM DOCKET NO. AUS920020325US1

(4) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2002.

\_\_\_\_\_  
Michael A. Paolini