

11-03-2000

cket:YOR000122US1 (8728-370)

Form PTO-1595  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



R

101499817

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

**1. Name of conveying party(ies):**  
 Rachel K.E. Bellamy, Jason B. Ellis,  
 Thomas D. Erickson, Wendy A. Kellogg,  
 Mark R. Laff, Peter K. Malkin,  
 John T. Richards, Philip S. Yu

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

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

Name: International Business Machines Corporation  
Armonk, New York 10504

**3. Nature of conveyance:** 10-10-2000

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: June 9, 12, 26 & 27, 2000

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

**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: \_\_\_\_\_

A. Patent Application No. (s)  
09/541,804

B. Patent No. (s)

Additional numbers attached?  Yes  No

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

Name: Frank Chau, Esq.

Street Address: F. CHAU & ASSOCIATES, LLP  
1900 Hempstead Turnpike, Suite 501

City: East Meadow State: NY Zip: 11554

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 C.F.R. §3.41):** \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

**8. Deposit account number:**  
50-0510/IBM (Yorktown Heights)  
 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

*Charge 40.00  
NO SPEC  
FEE*

**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.

Frank Chau  
Registration No. 34,136  
 Name of Person Signing

[Signature]  
 Signature

10/4/00  
 Date

Total number of pages including cover sheet, attachments and documents: 10

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:  
 Assistant Commissioner for Patents  
 Box Assignments  
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Form PTO-1595  
1-31-92

08-04-2000

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

7.6.00

RECOR



101423049

To the Honorable Commissioner of Patents and Trademarks, original documents or copy thereof.

1. Name of conveying party(ies):  
Rachel K.E. Bellamy, Jason B. Ellis,  
Thomas D. Erickson, Wendy A. Kellog,  
Mark R. Laff, Peter K. Malkin,  
John T. Richards, Philip S. Yu  
Additional name(s) of conveying party(ies)  
attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: International Business Machines Corporation  
Armonk, New York 10504

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: June 9, 12, 26 & 27, 2000

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

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:  
A. Patent Application No. (s) 09/541,804  
B. Patent No. (s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Frank Chau, Esq.  
Street Address: F. CHAU & ASSOCIATES, LLP  
1900 Hempstead Turnpike, Suite 501  
City: East Meadow State: NY Zip: 11554

6. Total number of applications and patents involved: 1  
7. Total fee (37 C.F.R. §3.41): \$40.00  
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 Authorized to be charged to deposit account  
8. Deposit account number: 50-0510/IBM (Yorktown Heights)  
(Attach duplicate copy of this page if paying by deposit account)

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Frank Chau  
Registration No. 34,136  
Name of Person Signing [Signature] Signature 6/30/00 Date  
Total number of pages including cover sheet, attachments and documents: 10

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Mail documents to be recorded with required cover sheet information to:  
Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231  
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08/03/2000 DNGUYEN 00000262 500510 09541804

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40.00 CH

PATENT  
REEL: 010962 FRAME: 0583

PATENT  
REEL: 011086 FRAME: 0048

# Assignment

Whereas, we

Inventor  
and City

(1) Rachel K.E. Bellamy  
County of Westchester

of Bedford  
and State of New York

and (2) Jason B. Ellis  
County of Fulton

of Atlanta  
and State of Georgia

and (3) Thomas D. Erickson  
County of Hennepin

of Minneapolis  
and State of Minnesota

and (4) Wendy A. Kellogg  
County of Westchester

of Yorktown Heights  
and State of New York

and (5) Mark R. Laff  
County of Westchester

of Mount Kisco  
and State of New York

and (6) Peter K. Malkin  
County of Westchester

of Aradley  
and State of New York

and (7) John T. Richards  
County of Westchester

of Chappaqua  
and State of New York

and (8) Philip S. Yu  
County of Westchester

of Chappaqua  
and State of New York

have invented certain improvements in U.S. Appln. Serial No. 09/541,804 filed April 3, 2000

TITLE **USER-DEFINED ONLINE INTERACTION METHOD AND DEVICE**

and executed, respectively, a United States patent application therefor on  
DATES THAT (1) June 9, 2000 and (2) June 9, 2000 and (3) June 9, 2000  
INVENTORS (4) June 9, 2000 and (5) June 9, 2000 and (6) June 9, 2000.  
SIGNED THE (7) June 9, 2000 and (8) June 12, 2000.  
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 Hawthorne, NY  
DATE on June 9, 2000, Rachel K.E. Bellamy SIGNATURE  
(Rachel K.E. Bellamy) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and (2) at  
DATE on June 9, 2000, Jason B. Ellis SIGNATURE  
( Jason B. Ellis ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and (3) at  
DATE on June 9, 2000, Thomas D. Erickson SIGNATURE  
( Thomas D. Erickson ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and (4) at Hawthorne, NY  
DATE on June 9, 2000, Wendy A. Kellogg SIGNATURE  
( Wendy A. Kellogg ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and (5) at Hawthorne, NY  
DATE on June 9, 2000, Mark R. Laff SIGNATURE  
( Mark R. Laff ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME  
ML

PATENT  
REEL: 010962 FRAME: 0684

PATENT  
REEL: 011086 FRAME: 0049

Signed and sealed  
 CITY and (6) at Hawthorne, NY  
 DATE on June 9, 2000,  
 \_\_\_\_\_  
 ( Peter K. Malkin ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

Signed and sealed  
 CITY and (7) at Hawthorne, NY  
 DATE on June 9, 2000,  
 \_\_\_\_\_  
 ( John T. Richards ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

Signed and sealed  
 CITY and (8) at Hawthorne, NY  
 DATE on June 12, 2000,  
 \_\_\_\_\_  
 ( Phillip S. Yu ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME SIGNATURE

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

**DARLENE DASILVA**  
 Notary Public, State of New York  
 No. 01DAG041055  
 County of Westchester  
 Commission Expires May 1, 2002

INVENTOR (1)  
 On this 9th day of June, 2000,  
**Rachel K.E. Bellamy** 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.

\_\_\_\_\_  
 Darlene Dasilva  
 Notary

State of ) SS.:  
 County of )

INVENTOR (2)  
 On this \_\_\_\_\_ day of \_\_\_\_\_, 2000, before me personally came **Jason B. Ellis** 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

State of ) SS.:  
 County of )

INVENTOR (3)  
 On this \_\_\_\_\_ day of \_\_\_\_\_, 2000, before me personally came **Thomas D. Erickson** 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

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

INVENTOR (4)  
 On this 4th day of June, 2000, before me personally came **Wandy A. Kellogg** 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.

**DARLENE DASILVA**  
 Notary Public, State of New York  
 No. 01DAG041055  
 County of Westchester  
 Commission Expires May 1, 2002

\_\_\_\_\_  
 Darlene Dasilva  
 Notary

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

INVENTOR (5)  
 On this 9th day of June, 2000, before me personally came **Mark R. Laff** 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.

**DARLENE DASILVA**  
 Notary Public, State of New York  
 No. 01DAG041055  
 County of Westchester  
 Commission Expires May 1, 2002

\_\_\_\_\_  
 Darlene Dasilva  
 Notary

**PATENT**  
 REEL: 010962 FRAME: 0685

**PATENT**  
 REEL: 011086 FRAME: 0050

State of New York ) ss.:  
County of Westchester

**DARLENE DASILVA**  
Notary Public, State of New York  
No. 61DAS041666  
County of Westchester  
Commission Expires May 1, 2002

INVENTOR  
(6)

On this 9<sup>th</sup> day of June 2000, before me personally came  
**Peter K. Malkin** 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.

Darlene Dasilva  
Notary

State of New York ) ss.:  
County of Westchester

**DARLENE DASILVA**  
Notary Public, State of New York  
No. 61DAS041666  
County of Westchester  
Commission Expires May 1, 2002

INVENTOR  
(7)

On this 9<sup>th</sup> day of June 2000, before me personally came  
**John T. Richards** 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.

Darlene Dasilva  
Notary

State of New York ) ss.:  
County of Westchester

INVENTOR  
(8)

On this 12<sup>th</sup> day of June 2000, before me personally came  
**Philip S. Yu** 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.

**DARLENE DASILVA**  
Notary Public, State of New York  
No. 61DAS041666  
County of Westchester  
Commission Expires May 1, 2002

Darlene Dasilva  
Notary

PATENT  
REEL: 010962 FRAME: 0586

PATENT  
REEL: 011086 FRAME: 0051

# Assignment

Whereas, we

Inventor  
and City

(1) Rachel K.E. Bellamy  
County of Westchester

of Bedford  
and State of New York

and (2) Jason B. Ellis  
County of Fulton

of Atlanta  
and State of Georgia

and (3) Thomas D. Erickson  
County of Hennepin

of Minneapolis  
and State of Minnesota

and (4) Wendy A. Kellogg  
County of Westchester

of Yorktown Heights  
and State of New York

and (5) Mark R. Laff  
County of Westchester

of Mount Kisco  
and State of New York

and (6) Peter K. Malkin  
County of Westchester

of Arsdley  
and State of New York

and (7) John T. Richards  
County of Westchester

of Chappaqua  
and State of New York

and (8) Philip S. Yu  
County of Westchester

of Chappaqua  
and State of New York

have invented certain improvements in U.S. Appln. Serial No. 09/541,804 filed April 3, 2000

TITLE **USER-DEFINED ONLINE INTERACTION METHOD AND DEVICE**

and executed, respectively, a United States patent application therefor on  
DATES THAT (1) 2000 and (2) *6-26* 2000 and (3) 2000  
INVENTORS (4) 2000 and (5) *AT* 2000 and (6) 2000.  
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.

Signed and sealed  
CITY (1) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Rachel K.E. Bellamy ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (2) at *Atlanta, GA* \_\_\_\_\_ SIGNATURE  
DATE on *6-26-00* 2000, ( Jason B. Ellis ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (3) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Thomas D. Erickson ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (4) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Wendy A. Kellogg ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (5) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Mark A. Laff ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

PATENT  
REEL: 010962 FRAME: 0587

PATENT  
REEL: 011086 FRAME: 0052

Signed und sealed  
 CITY and (6) at \_\_\_\_\_ SIGNATURE  
 DATE on 2000, ( Peter R. Malkin ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
 CITY and (7) at \_\_\_\_\_ SIGNATURE  
 DATE on 2000, ( John T. Richards ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
 CITY and (8) at \_\_\_\_\_ SIGNATURE  
 DATE on 2000, ( Philip S. Yu ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME

State of ) SS.:  
 County of )

INVENTOR (1) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Rachel K.E. Bellamy 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

State of ) SS.:  
 County of )

INVENTOR (2) On this 26<sup>th</sup> day of JUNE 2000, before me personally came Jason B. Ellis 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.

*Christy H. Handwerker*  
 Notary

State of Georgia ) SS.: 257-74-3932  
 County of Cobb )

INVENTOR (3) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Thomas D. Erickson 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

State of ) SS.:  
 County of )

INVENTOR (4) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Wendy A. Kellogg 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

State of ) SS.:  
 County of )

INVENTOR (5) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Mark R. Laff 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

PATENT  
 REEL: 010962 FRAME: 0688

PATENT  
 REEL: 011086 FRAME: 0053

State of ) ss.:  
County of )

INVENTOR (6) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came **Peter K. Malkin** 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

State of ) ss.:  
County of )

INVENTOR (7) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came **John T. Richards** 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

State of ) ss.:  
County of )

INVENTOR (8) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came **Philip S. Yu** 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

**PATENT**  
**REEL: 010962 FRAME: 0589**

**PATENT**  
**REEL: 011086 FRAME: 0054**



# Assignment

Whereas, we

Inventor  
and City

(1) Rachel K.E. Bellamy  
County of Westchester

of Bedford  
and State of New York

and (2) Jason B. Ellis  
County of Fulton

of Atlanta  
and State of Georgia

and (3) Thomas D. Erickson  
County of Hennepin

of Minneapolis  
and State of Minnesota

and (4) Wendy A. Kellogg  
County of Westchester

of Yorktown Heights  
and State of New York

and (5) Mark R. Laff  
County of Westchester

of Mount Kisco  
and State of New York

and (6) Peter K. Malkin  
County of Westchester

of Aradley  
and State of New York

and (7) John T. Richards  
County of Westchester

of Chappaqua  
and State of New York

and (8) Philip S. Yu  
County of Westchester

of Chappaqua  
and State of New York

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and executed, respectively, a United States patent application therefor on  
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INVENTORS (4) 2000 and (5) 2000 and (6) 2000.  
SIGNED THE DECLARATION

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Signed and sealed  
CITY (1) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Rachel K.E. Bellamy ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (2) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Jason B. Ellis ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (3) at *Hanethorne, NY* \_\_\_\_\_ SIGNATURE  
DATE on *June 27*, 2000, ( Thomas D. Erickson ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (4) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Wendy A. Kellogg ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
CITY and (5) at \_\_\_\_\_ SIGNATURE  
DATE on 2000, ( Mark A. Laff ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

PATENT  
REEL: 010962 FRAME: 0590

PATENT  
REEL: 011086 FRAME: 0055

Signed and sealed  
 CITY and (6) at \_\_\_\_\_ SIGNATURE  
 DATE on 2000, ( Peter K. Malkin ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
 CITY and (7) at \_\_\_\_\_ SIGNATURE  
 DATE on 2000, ( John T. Richards ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed  
 CITY and (8) at \_\_\_\_\_ SIGNATURE  
 DATE on 2000, ( Philip S. Yu ) INVENTOR  
 FIRST NAME MIDDLE INITIAL LAST NAME

State of ) ss. :  
 County of )

INVENTOR (1) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Rachel K.E. Bellamy 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

State of ) ss. :  
 County of )

INVENTOR (2) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Jason B. Ellis 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

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

**DARLENE DASILVA**  
 Notary Public, State of New York  
 No. 6124861088  
 County of Westchester

INVENTOR (3) On this *27th* day of *June* 2000, before me personally came Thomas D. Erickson 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.

*Darlene Dasilva*  
 \_\_\_\_\_  
 Notary

State of ) ss. :  
 County of )

INVENTOR (4) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Wendy A. Kellogg 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

State of ) ss. :  
 County of )

INVENTOR (5) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came Mark R. Laff 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

**PATENT**  
**REEL: 010962 FRAME: 0591**

**PATENT**  
**REEL: 011086 FRAME: 0056**

State of ) ss.:  
County of )

INVENTOR (6) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came **Peter K. Malkin** 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

State of ) ss.:  
County of )

INVENTOR (7) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came **John T. Richards** 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

State of ) ss.:  
County of )

INVENTOR (8) On this \_\_\_\_\_ day of \_\_\_\_\_ 2000, before me personally came **Philip S. Yu** 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

RECORDED: 07/06/2000

PATENT  
REEL: 010962 FRAME: 0592

RECORDED: 10/10/2000

PATENT  
REEL: 011086 FRAME: 0057