

04-08-1999

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101005472

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

1. Name of conveying party(ies):
Rosario Gennaro, Shai Halevi,
Stephane Maes, Tal Rabin, Jeffrey Sorensen

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

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

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

Execution Date: March 8, 22, 1999

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: March 8, 22, 1999

A. Patent Application No. (s)
09/240,214

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)

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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 3/30/99 Date

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4-1-99

Assignment

Whereas, we

Inventor
and City

(1) **Rosario Gennaro**
County of

of **Bronx**
and State of **New York**

and (2) **Shai Halevi**
County of

of **Hartsdale**
and State of **New York**

and (3) **Stephane Maes**
County of **Fairfield**

of **Danbury**
and State of **Connecticut**

and (4) **Tal Rabin**
County of

of **Riverdale**
and State of **New York**

and (5) **Jeffrey Sorensen**
County of **New Haven**

of **Seymour**
and State of **Connecticut**

and (6)
County of

of
and State of

have invented certain improvements in
U.S. Appln Serial No. 09/240,214 filed January 29, 1999;

TITLE: **A BIOMETRIC AUTHENTICATION SYSTEM WITH ENCRYPTED MODELS**

and executed, respectively, a United States patent application therefor on
DATES THAT (1) 3/22 1999 and (2) 3/22, 1999 and (3) March 8, 1999
INVENTORS (4) 3/22, 1999, and (5) March 5, 1999, and (6) 1999.
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 Hawthorne NY _____ SIGNATURE
DATE on 3-22-99 1999, (Rosario Gennaro) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY and (2) at Hawthorne NY _____ SIGNATURE
DATE on 3-22-99 1999, (Shai Halevi) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY and (3) at Yarhtown Heights _____ SIGNATURE
DATE on March 8, 1999, (Stephane Maes) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY and (4) at Hawthorne, NY _____ SIGNATURE
DATE on 3/22 1999, (Tal Rabin) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY and (5) at Yarhtown Heights _____ SIGNATURE
DATE on March 5, 1999, (Jeffrey Sorensen) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY and (6) at _____ SIGNATURE
DATE on _____ 1999, (_____) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

State of NEW YORK) SS.:
County of WESTCHESTER)

INVENTOR
(1)

On this 22ND day of MARCH 1999, before me personally came **Rosario Gennaro** to me personally know, 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.

Erica Borgelt

Notary

ERICA BORGELT
Notary Public, State of New York
No. 01805078352
Qualified in Westchester County
Commission Expires May 27, 1999

State of NEW YORK) SS.:
County of WESTCHESTER)

INVENTOR
(2)

On this 22ND day of MARCH 1999, before me personally came **Shai Halevi** to me personally know, 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.

Erica Borgelt

Notary

ERICA BORGELT
Notary Public, State of New York
No. 01805078352
Qualified in Westchester County
Commission Expires May 27, 1999

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

INVENTOR
(3)

On this 8TH day of March 1999, before me personally came **Stephane Maes** to me personally know, 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.

Emily S. Forbes

EMILY S. FORBES
Notary Public, State of New York
No. 01F04935185
Qualified in Westchester County
Commission Expires July 25, 2000

State of NEW YORK) SS.:
County of WESTCHESTER)

INVENTOR
(4)

On this 22ND day of MARCH 1999, before me personally came **Tal Rabin** to me personally know, 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.

Erica Borgelt

Notary

ERICA BORGELT
Notary Public, State of New York
No. 01805078352
Qualified in Westchester County
Commission Expires May 27, 1999

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

INVENTOR
(5)

On this 8TH day of March 1999, before me personally came **Jaffrey Sorensen** to me personally know, 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.

Emily S. Forbes

EMILY S. FORBES
Notary Public, State of New York
No. 01F04935185
Qualified in Westchester County
Commission Expires July 25, 2000

State of) SS.:
County of)

INVENTOR
(6)

On this _____ day of _____ 1999, before me personally came _____ to me personally know, 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