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In place of Form PTO-1595



Docket No. AT9-99-585

101226067

JC566 U.S. PTO  
09/442694  
11/16/99

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

I-Lung Kao,  
Shaw-Ben Shepherd Shi

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

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

3. Nature of conveyance:

X Assignment

Execution Date: November 8, 1999

4. Application number(s) or patent number(s): AT9-99-585

If this document is being filed together with a new application, the execution date of the application is November 8, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/442694

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

X Authorized to be charged to deposit account

8. Deposit account number:

09-0447

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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.

Leslie A. Van Leeuwen  
Name of Person Signing

Leslie A. Van Leeuwen  
Signature

11/16/99  
Date

Total number of pages including cover sheet: 2

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IBM DOCKET NO. AT9-99-585

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

Whereas, we,

(1) I-Lung Kao of Round Rock,  
County of Williamson and State of Texas,

and  
(2) Shaw-Ben Shepherd Shi of Austin,  
County of Travis and State of Texas,

have invented certain improvements in

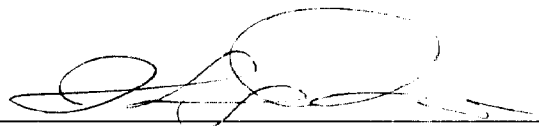
**FLEXIBLE ENCRYPTION SCHEME FOR GSO TARGET PASSWORDS**

and executed, respectively, a United States patent application therefore on  
(Dates Inventors Signed Declaration) (1) 11/08, 1999, and (2) 11/08, 1999.


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, 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*.

(1) Signed at Austin on 11/08, 1999.

  
I-Lung Kao

and (2) Signed at Austin on 11/08, 1999.

  
Shaw-Ben Shepherd Shi