

10-21-1999

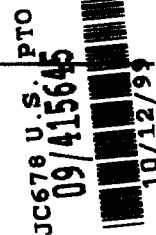


Atty. Docket No. RSW9-99-084

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Carl Binding; Stefan G. Hild; Yen-Min Huang; Luke J. O'Connor; Sandeep K. Singhal; Victor J. Shoup; Michael Steiner

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

Name: IBM Corporation  
Address: New Orchard Road  
Armonk, NY 10504

Additional name(s) of conveying party(ies) attached? \_\_\_Yes \_\_\_X\_No

Additional name(s) & addresses attached? \_\_\_Yes \_\_\_X\_No

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X Assignment

Execution Date(s): 9/24/99; 9/24/99; 10/11/99; 9/24/99; 10/11/99; 9/24/99; 9/30/99

## 4. Patent Application number(s)

Execution Date(s): 9/24/99; 9/24/99; 10/11/99; 9/24/99; 10/11/99; 9/24/99; 9/30/99

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

Name: A. Bruce Clay  
Address: IBM Corporation  
Intellectual Property Law  
T81/062  
P. O. Box 12195  
3039 Cornwallis Road  
RTP, NC 27709

## 6. Total number of applications involved: 1

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

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PATENT  
REEL: 010314 FRAME: 0858

# ASSIGNMENT

Whereas, we,

**Carl Binding,**  
Country of **Switzerland**

City of **Thalwil**

**Stefan Georg Hild**  
Country of **Switzerland**

City of **Adliswil**

**Yen-Min Huang**  
Country of **United States of America**

City of **Raleigh, North Carolina**  
27606

**Luke James O'Connor**  
Country of **Switzerland**

City of **Adliswil**

**Sandeep K. Singhal**  
Country of **United States of America**

City of **Raleigh, North Carolina**  
27605-1271

**Victor John Shoup**  
Country of **Switzerland**

City of **Zurich**

**Michael Steiner**  
Country of **Germany**

City of **Saarbruecken**

have invented certain improvements in

**PIGGY-BACKED KEY EXCHANGE PROTOCOL FOR PROVIDING SECURE, LOW-OVERHEAD BROWSER CONNECTIONS  
WHEN A CLIENT REQUESTS A SERVER TO PROPOSE A MESSAGE ENCODING SCHEME**


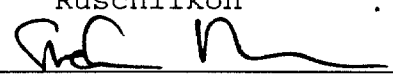
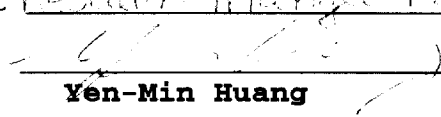
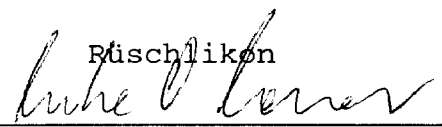
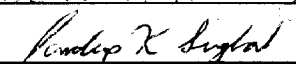
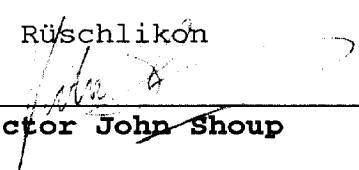
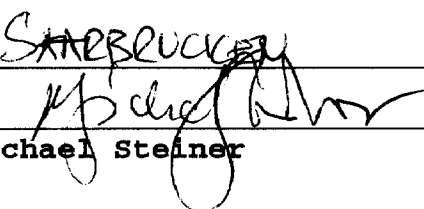
and have executed, respectively, a United States patent application therefor on

- (1) 24 Sep 1999, (2) 24 Sep 1999, (3) 10-11-99,  
(4) 24 Sep 1999, (5) 10-11-99, (6) 24 Sep 1999,  
(7) 30 Sep 1999.

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, 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.

Signed and sealed:

- (1) at Rüschlikon on Sept 24, 1999  
  
**Carl Binding**
- (2) at Rüschlikon on Sept 24, 1999  
  
**Stefan Georg Hild**
- (3) at Research Triangle Park, NC on Oct. 11, 1999  
  
**Yen-Min Huang**
- (4) at Rüschlikon on 24/9/99  
  
**Luke James O'Connor**
- (5) at Research Triangle Park, NC on 11 October 1999  
  
**Sandeep K. Singhal**
- (6) at Rüschlikon on 24.9.1999  
  
**Victor John Shoup**
- (7) at SANBROUCK on 30.9 1999  
  
**Michael Steiner**