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Docket No. AUS920040413US1

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PATENTS

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b>  (1) Daniel Alan Brokenshire (2) Mohammad Peyravian  Additional name(s) of conveying party(ies) attached?    Yes <input checked="" type="checkbox"/> No	<b>Execution Date:</b>  <u>August 17, 2004</u> <u>August 12, 2004</u>
<b>2. Name and address of receiving party(ies):</b>  International Business Machines Corporation New Orchard Road Armonk, New York 10504	<b>3. Nature of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____

**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) 10/926,598   B. File Date August 26, 2004**5. Name and address of party to whom correspondence concerning document should be mailed:**Robert M Carwell  
IBM Corporation  
Intellectual Property Law  
11400 Burnet Road  
Austin, TX 78758  
(512) 823-1017**6. Total number of applications and patents involved:** 1**7. Total fee (37 CFR 3.41) \$** 40.00☐ Enclosed  
☒ 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.

Robert M Carwell  
Name of Person Signing  
SignatureDecember 20, 2004  
DateTotal number of pages including cover sheet: 5

IBM DOCKET NO. AUS920040413US1

**ASSIGNMENT**

Whereas, we,

(1) Daniel Alan Brokenshire of 3567 Ashmere Loop, Round Rock, Texas 78681  
County of Williamson and State of Texas

and

(2) Mohammad Peyravian of 304 Oxcroft Street, Cary, North Carolina 27519  
County of Wake and State of North Carolina

have invented certain improvement in

**METHOD AND APPARATUS FOR EFFICIENT GENERATION  
OF MODULO INVERSE FOR PUBLIC KEY CRYPTOSYSTEMS**

and executed a United States patent application therefore on (1) August 17, 2004; and  
(2) \_\_\_\_\_, 2004.

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. AUS920040413US1

(1) Signed at Austin on August 17, 2004.

  
Daniel Alan Brokenshire

(2) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2004.

\_\_\_\_\_  
Mohammad Peyravian

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(2) August 12, 2004.

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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. AUS920040413US1

(1) Signed at \_\_\_\_\_ on \_\_\_\_\_, 2004.

\_\_\_\_\_  
Daniel Alan Brokenshire

(2) Signed at RTP, NC on August 12, 2004.

  
\_\_\_\_\_  
Mohammad Peyravian