

02-26-2010

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To the Director of the U.S. Patent and

documents or the new address(es) below.

**1. Name of conveying party(ies)**

LAHOUARI GHOUTI  
MOHAMMAD K. IBRAHIM  
ADNAN A. GUTUB

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) JANUARY 24, 2010

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: KING FAHD UNIVERSITY OF PETROLEUM & MINERALS

Internal Address: INTELLECTUAL ASSETS OFFICE, INNOVATION  
CENTER

Street Address: P.O. BOX 5041

City: DHAHRAN

State: \_\_\_\_\_

Country: SAUDI ARABIA Zip: 31261

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☒ This document is being filed together with a new application.  
A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: LITMAN LAW OFFICES, LTD.

Internal Address: DOCKET NO. 31500.30

Street Address: P.O. BOX 41200, SOUTH STATION

City: ARLINGTON

State: VA Zip: 22204

Phone Number: (703) 486-1000

Fax Number: (703) 486-7000

Email Address: \_\_\_\_\_

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

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 00000037 12656097

Authorized User Name 40.00 OP

**9. Signature:**

Robert B. Lyons

Signature

FEBRUARY 18, 2010

Date

ROBERT B. LYONS REG. NO. 40,708

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

**ASSIGNMENT**


WHEREAS, LAHOUARI GHOUTI, a citizen/citizens of Algeria, residing at/whose address is KFUPM, DHAHRAN 31261, SAUDI ARABIA, MOHAMMAD K. IBRAHIM, a citizen/citizens of the United Kingdom, residing at/whose address is 297 LONDON ROAD, LEICESTER, LE2 3ND, UNITED KINGDOM, and ADNAN A. GUTUB, a citizen/citizens of Saudi Arabia, residing at/whose address is KFUPM, DHAHRAN 31261, SAUDI ARABIA, hereinafter called the "Assignor(s)", who presently own(s) the invention entitled METHOD OF CIPHER BLOCK CHAINING USING ELLIPTIC CURVE CRYPTOGRAPHY, for a full description of which reference is made to a non-provisional application for Letters Patent of the United States Serial Number \_\_\_\_\_ (to be assigned) filed on \_\_\_\_\_, 20\_\_\_\_, (filed herewith under Attorney Docket No. 31500.30), and

WHEREAS, KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS, a university organized and existing under the laws of the Nation of SAUDI ARABIA, having its principal place of business/business address at DHAHRAN, 31261, SAUDI ARABIA, hereinafter called the "Assignee" is desirous of acquiring the entire right, title and interest in and to said invention, the above noted application, and to any Letters Patent which may be obtained for said invention, and as hereinafter more fully set forth,

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for and in the consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by said Assignor(s) from said Assignee is hereby acknowledged, the said Assignor(s) has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, the entire right, title and interest in the United States to the invention and above noted application, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor in all countries foreign to the United States; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue.

AND the said Assignor(s) does/do hereby covenant and agree, for himself/themselves and his/their legal representatives, that he/they will assist said Assignee in making and prosecuting any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, investing in the said Assignee like exclusive title in and to all such other applications and Letters Patent, together with all claims for damages and profits by reason of past infringement of all or any of the patents issuing from the Patent Application, with the right to sue for and collect same for Assignee's own use (and for the use of Assignee's successors and assigns); and in the prosecution of any interference which may arise involving said invention, or any application for Letters Patent herein contemplated; and that he/they will execute and deliver to the said Assignee any and all additional papers which may be



 [SEAL]  
ADNAN A. GUTUB

**PATENT**  
**REEL: 023996 FRAME: 0714**