

11-21-2003



To the Honorable Commissioner of Patent.

102606402

ents or copy thereof.

1. Name of conveying party(ies): 11-13-03  
**Bjorn Markus Jakobsson and  
Burton S. Kaliski Jr.**

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

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

Execution Date(s): 9/2/03 and 9/4/03

2. Name and address of receiving party(ies)

Name: RSA Security Inc.

Internal Address:

Street Address: 174 Middlesex Turnpike

City: Bedford State: MA ZIP: 01730

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

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) 10/631,989 B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: **Joseph B. Ryan**  
Internal Address: **Ryan, Mason & Lewis, LLP**  
Street Address: **90 Forest Avenue**  
City: **Locust Valley** State: **NY** ZIP: **11560**

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 50-0762

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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.*

Joseph B. Ryan

Reg. No. 37,922

Signature

November 13, 2003

Date

11/20/2003 LNUELLER 00000206 500762 10631989

11 EC:0021 40.00 BA

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Attorney Docket No. 4414-34

## ASSIGNMENT OF PATENT APPLICATION

For value received, the undersigned sell(s), assign(s) and transfer(s) to:

**RSA Security Inc.**

a corporation organized under the laws of the state of: **Delaware**

and having a place of business at: **174 Middlesex Turnpike  
Bedford, MA 01730**

and to Assignee's successors, assigns and legal representatives or nominees as it may designate (collectively, hereinafter, "Assignee"), the entire right, title and interest, for the United States of America and its Territories and Commonwealth and Possessions, and for all other countries throughout the world, in and to all inventions and improvements disclosed in an application for United States Patent entitled:

### METHOD AND APPARATUS FOR GRAPH-BASED PARTITION OF CRYPTOGRAPHIC FUNCTIONALITY

The above-entitled United States Patent application was:

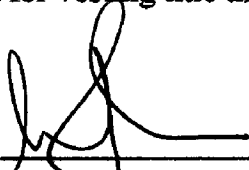
- executed by the undersigned concurrently herewith;  
 filed in the United States Patent and Trademark Office on: July 31, 2003 and  
assigned serial number: 10/631,989; or  
 filed as PCT International Application No.: \_\_\_\_\_ on: \_\_\_\_\_.

The undersigned assign(s) the rights for all patents, divisions, reissues, reexamination certificates, continuing applications and extensions thereof, together with the right of priority of any earlier corresponding patent application filed by the undersigned in the United States or elsewhere.

The undersigned covenant(s) that the rights and property conveyed by this Assignment are free and clear of any encumbrance, and that the undersigned have (has) full right to convey the rights and property as expressed herein.

The undersigned authorize(s) and request(s) that any and all patents on the aforesaid inventions be issued to Assignee.

The undersigned agree(s), when requested, without further charge to Assignee but at its expense, to communicate to Assignee or its representatives all facts known to the undersigned regarding the aforesaid inventions and improvements, testify in any legal proceeding, sign all papers, make all rightful oaths or declarations, execute all divisional, continuing, re-examination and reissue applications and generally perform all acts, which may be necessary, desirable or convenient, to aid Assignee in securing, maintaining and enforcing patents for the aforesaid inventions and improvements in the aforesaid countries, and for vesting title thereto in Assignee.



\_\_\_\_\_  
Bjorn Markus Jakobsson

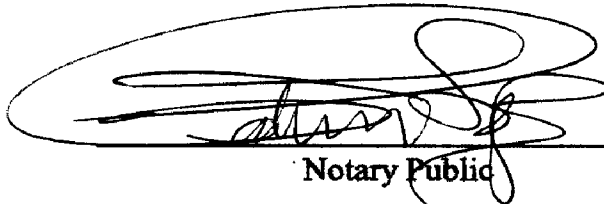
Date: 9/2/03

United States of America )

State of New Jersey ) sworn and subscribed:

County of Hudson )

On this 2 day of September, 2003, before me personally came Bjorn Markus Jakobsson, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.



\_\_\_\_\_  
Notary Public

NOTARY PUBLIC  
STATE OF NEW JERSEY  
COMMISSION EXPIRES 12/31/04

\_\_\_\_\_  
Burton S. Kaliski Jr.

Date: \_\_\_\_\_

United States of America )

State of Massachusetts ) sworn and subscribed:

County of Middlesex )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Burton S. Kaliski Jr., to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

Ryan, Mason & Lewis, LLP  
90 Forest Avenue  
Locust Valley, New York 11560  
(516) 759-2722

## ASSIGNMENT OF PATENT APPLICATION

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**RSA Security Inc.**

a corporation organized under the laws of the state of: **Delaware**

and having a place of business at: **174 Middlesex Turnpike  
Bedford, MA 01730**

and to Assignee's successors, assigns and legal representatives or nominees as it may designate (collectively, hereinafter, "Assignee"), the entire right, title and interest, for the United States of America and its Territories and Commonwealth and Possessions, and for all other countries throughout the world, in and to all inventions and improvements disclosed in an application for United States Patent entitled:

### METHOD AND APPARATUS FOR GRAPH-BASED PARTITION OF CRYPTOGRAPHIC FUNCTIONALITY

The above-entitled United States Patent application was:

executed by the undersigned concurrently herewith;  
 filed in the United States Patent and Trademark Office on: July 31, 2003 and  
assigned serial number: 10/631,989; or  
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\_\_\_\_\_  
Bjorn Markus Jakobsson

Date: \_\_\_\_\_

United States of America )

State of New Jersey ) sworn and subscribed:

County of Hudson )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Bjorn Markus Jakobsson, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

Burton S. Kaliski Jr.  
Burton S. Kaliski Jr.

Date: Sept 4, 2003

United States of America )

State of Massachusetts ) sworn and subscribed:

County of Middlesex )

On this 4<sup>th</sup> day of Sept, 2003, before me personally came Burton S. Kaliski Jr., to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Leslie M. Koffman  
Notary Public Leslie M. Koffman

My commission expires Feb 9, 2007

Ryan, Mason & Lewis, LLP  
90 Forest Avenue  
Locust Valley, New York 11560  
(516) 759-2722