

05-17-2004



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Form PTO-1595 (Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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2. Name and address of receiving party(ies) Name: NATIONAL SECURITY AGENCY Internal Address: ATTN: AGC (IP&T) STE 6542

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

Street Address: 9800 SAVAGE ROAD

City: FT MEADE State: MD Zip: 20755-6542

Execution Date: 5-4-2004

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

4. Application number(s) or patent number(s): 10843637

If this document is being filed together with a new application, the execution date of the application is: 5/5/04

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: NATIONAL SECURITY AGENCY Internal Address: ATTN: AGC (IP&T) STE 6542

Street Address: 9800 SAVAGE ROAD

City: FT MEADE State: MD Zip: 20755-6542

6. Total number of applications and patents involved: 1

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

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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.

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05-05-2004 Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

1535 U.S. PTO 10/843637

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05/14/2004

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PATENT REEL: 015323 FRAME: 0044

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**ASSIGNMENT**

(Government Employee)

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**TITLE OF INVENTION: METHOD OF PACKET ENCRYPTION THAT ALLOWS FOR PIPELINING**

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**INVENTORS:***Vincent M. Boyle Jr. , Christopher M. Salter*

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We, the undersigned inventors, in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Director, National Security Agency, the entire right, title, and interest throughout the world in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to provide any further information within our knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of the interferences and recording of title to patent applications and patents.

INVENTOR: Vincent M. Boyle Jr.

ADDRESS: (City) Aberdeen (County) Harford  
(State) Maryland

DATE: May 4, 2004

SIGNATURE: Vincent M. Boyle Jr.

INVENTOR: Christopher M. Salter

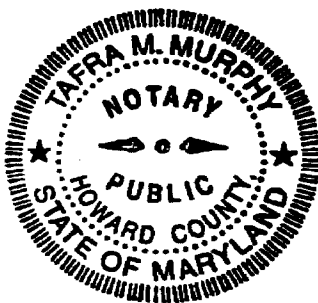
ADDRESS: (City) Columbia (County) Howard  
(State) Maryland

DATE: May 4, 2004

SIGNATURE: Chris Salter

State of MARYLAND )  
County of HOWARD )

on 4 May 2004 (date), known to me to be the individuals described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that they executed the same as their own free act and deed.



[Signature]  
(Signature)

(SEAL) Notary Public of Maryland

My Commission Expires 2/14/05