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U.S. PTO
11/713829
02/27/2007

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Dr. Francis S. Rimlinger

2. Name and address of receiving party(ies)

Name: National Security Agency

Internal Address: Attn: AGC(IP&T), Suite 6542

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

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

Execution Date(s) 23 February 2007

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

Street Address: 9800 Savage Road

City: Ft. George G. Meade

State: MD

Country: USA Zip: 20755-6542

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)

11/713829

Additional numbers attached? ☐ Yes ☒ No

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

Name: National Security Agency

Internal Address: Attn: AGC(IP&T), Suite 6542

Street Address: 9800 Savage Road

City: Ft. George G. Meade

State: MD Zip: 20755-6542

Phone Number: 301-688-0287

Fax Number: 301-688-0076

Email Address: rdmorel@nsa.gov

6. Total number of applications and patents involved: One (1)

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

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 140381
Expiration Date 03/03/2007 - 02/28/2008

b. Deposit Account Number 14-0381

Authorized User Name Robert D. Morelli

9. Signature:

Robert D. Morelli

Signature

2-23-2007

Date

ROBERT D. MORELLI
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

ASSIGNMENT
(Government Employee)

TITLE:

Method of Converting Computer Program With Loops To One Without Loops

INVENTOR:

Dr. Francis S. Rimlinger

I, the undersigned inventor, 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-identified 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 my 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: Dr. Francis S. Rimlinger

ADDRESS: (City) Ellicott City (County) Howard
(State) MD

DATE: 2/23/07

SIGNATURE: Francis S. Rimlinger

State of MARYLAND)

County of ANNE ARUNDEL)

On 23 February 2007 (date), known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that he or she executed the same as their own free act and deed.

(SEAL)

Marian R. Compton
(Signature)



MARIAN R. COMPTON
Notary Public, State of Maryland
Anne Arundel County
My Commission Expires September 27, 2009

ASSIGNMENT
(Government Employee)

TITLE:

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INVENTOR:

Dr. Francis S. Rimlinger

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INVENTOR: Dr. Francis S. Rimlinger

ADDRESS: (City) Ellicott City (County) Howard
(State) MD

DATE: 2/23/07

SIGNATURE: *Francis S. Rimlinger*

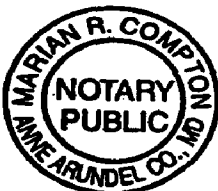
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County of ANNE ARUNDEL)

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(SEAL)

Marian R. Compton
(Signature)



MARIAN R. COMPTON
Notary Public, State of Maryland
Anne Arundel County
My Commission Expires September 27, 2009