

08-02-2004

Form PTO-1595 (Rev. 10/02)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

7-22-04

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2. Name and address of receiving party(ies) Name: NATIONAL SECURITY AGENCY

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ATTN: OFFICE OF GENERAL COUNSEL (IP ST)

SUITE 654Z

Street Address: 9800 SAVAGE ROAD

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

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

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

Execution Date: 7/22/04

4. Application number(s) or patent number(s): 10896863

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

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: OFFICE OF GENERAL COUNSEL (IP ST)

SUITE 654Z

Street Address: 9800 SAVAGE ROAD

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

6. Total number of applications and patents involved:

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Signature

7/22/04

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PATENT REEL: 015619 FRAME: 0829

22782 U.S. PTO 101896803



072204

**ASSIGNMENT**

(Government Employee)

**TITLE:**

METHOD OF TEXT PROCESSING

**INVENTOR:**

JAMES E. SHOEMAKER

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: JAMES E. STUBENAKER

ADDRESS: (City) ARLINGTON (County) ARLINGTON  
(State) Virginia

DATE: 22 July 2004

SIGNATURE: James E. Stubenaker

State of Maryland )  
 )  
County of Baltimore City )

On 22 July 2004 (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.

Jill Panian  
(Signature)

(SEAL)

Notary Public of JILL PANIAN  
**NOTARY PUBLIC STATE OF MARYLAND**  
**My Commission Expires May 7, 2005**  
My Commission Expires on \_\_\_\_\_

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**ASSIGNMENT**

(Government Employee)

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**TITLE:**

METHOD OF TEXT PROCESSING

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**INVENTOR:**

JAMES E. SHEEMAKER

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(State) Virginia

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 )  
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Jill Panian  
(Signature)

(SEAL)

Notary Public of

**JILL PANIAN**  
**NOTARY PUBLIC STATE OF MARYLAND**  
**My Commission Expires May 7, 2005**

My Commission Expires on \_\_\_\_\_