

01-04-2007

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

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103356398

To the Director of the U.S. Patent

documents or the new address(es) below.

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

Cusmariu, Adolf

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

Name: National Security Agency

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

Street Address: 9800 Savage Road

City: Ft. George G. Meade

State: MD

Country: USA Zip: 20755-6542

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

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

Execution Date(s) 1 December 2006

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

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

b. Deposit Account Number 14-0381

Authorized User Name Robert D. Morelli

**9. Signature:**

*Robert D. Morelli*  
Signature

Date

12-01-2006

01/03/2007 DBYRNE 00000164 140381 11645264

01 FC:802

(40.00 DA)

ROBERT D. MORELLI

Name of Person Signing

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

2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT  
(Government Employee)

TITLE:  
Method of Measuring Degree of Enhancement Made to Voice Signal

INVENTOR:  
Adolf Cusmariu

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: Adolf Cusmariu

ADDRESS: (City) ELDERSBURG (County) CARROLL  
(State) MARYLAND

DATE: 1 Dec 2006

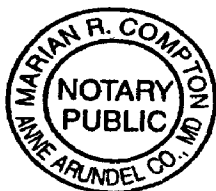
SIGNATURE: Adolf Cusmariu

State of **Maryland** )  
 )  
County of **Anne Arundel** )

On 1 Dec 2006 (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:  
Method of Measuring Degree of Enhancement Made to Voice Signal  
INVENTOR:  
Adolf Cusmariu

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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: Adolf Cusmariu

ADDRESS: (City) ELDERSBURG (County) CARROLL  
(State) MARYLAND

DATE: 1 Dec 2006

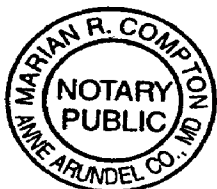
SIGNATURE: Adolf Cusmariu

State of **Maryland** )  
County of **Anne Arundel** )

On 1 Dec 2006 (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