

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇌ ⇌ ⇌

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

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

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

1. Name of conveying party(ies):  
 Raymond M. Castellane  
 Bartley P. Durst  
 (file in the Governmental Register)

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

2. Name and address of receiving party(ies)  
 Name: United States Government as represented by the Secretary of the Army  
 Internal Address: Humphreys Engineer Center  
CEHEC-OC (Kingman Bldg.)

Street Address: 7701 Telegraph Rd.

City: Alexandria State: VA Zip: 22315-3860

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

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

Execution Date: 03/06/2003

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) 10/406,159  
 B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

6. Total number of applications and patents involved:  1  2

7. Total fee (37 CFR 3.41).....\$ 40  
 Enclosed  
 Authorized to be charged to deposit account

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Patricia Howland  
 Internal Address: Humphreys Engineer Center  
CEHEC-OC (Kingman Bldg.)

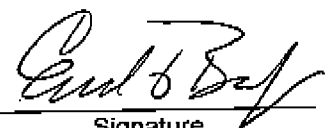
Street Address: 7701 Telegraph Rd.

City: Alexandria State: VA Zip: 22315-3860

8. Deposit account number:  
01-2505

**DO NOT USE THIS SPACE**

9. Signature.  
Earl H. Baugher, Jr. 40,905  
 Name of Person Signing

  
 Signature

06/10/2003  
 Date

Total number of pages including cover sheet, attachments, and documents:  1  4

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

ASSIGNMENT

Attorney Docket No.  
COE-540

ASSIGNMENT OF INVENTION

Title of Invention: DETECTING, CLASSIFYING AND LOCALIZING MINOR AMOUNTS OF AN ELEMENT WITHIN A SAMPLE OF MATERIAL

Inventor: BARTLEY P. DURST

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-entitled invention was made, hereby:

1. Assigns to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, 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. Agrees to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all rights, title and interest in the invention in such foreign country shall remain in me, subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government or in furtherance of the foreign policies of the Government, or both.
3. Agrees 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 interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: Bartley P. Durst Date: 06 MAR 03

Name of Inventor: **BARTLEY P. DURST**  
(First Name) (Middle Initial) (Last Name)

Address: 111 OAKHURST Drive Winda Mississippi  
(Locality) (County) (State)

State of Mississippi )  
County of Warren ) } ss.

On the above date, BARTLEY P. DURST, known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledge to me that the same is his own free act and deed.

My commission Expires: June 24, 2004  
(SEAL)

Mary Dent Braswell  
Signature of Notary Public

ASSIGNMENT

Attorney Docket No.  
COE-540

ASSIGNMENT OF INVENTION

Title of Invention: DETECTING, CLASSIFYING AND LOCALIZING MINOR AMOUNTS OF AN ELEMENT WITHIN A SAMPLE OF MATERIAL

Inventor: RAYMOND M. CASTELLANE

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-entitled invention was made, hereby:

1. Assigns to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, 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. Agrees to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all rights, title and interest in the invention in such foreign country shall remain in me, subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government or in furtherance of the foreign policies of the Government, or both.
3. Agrees 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 interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: Raymond M. Castellane Date: 03-06-03

Name of Inventor: **RAYMOND M. CASTELLANE**  
(First Name) (Middle Initial) (Last Name)

Address: 803 Hickory St Warren Mississippi  
(Locality) (County) (State)

State of Mississippi )  
County of Warren ) ss.

On the above date, RAYMOND M. CASTELLANE, known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledge to me that the same is his own free act and deed.

My commission Expires: June 24, 2004  
(SEAL)

Mary D. Bravell  
Signature of Notary Public

PATENT