

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)

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

RECORDATION FORM COVER SHEET PATENTS ONLY

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)/Execution Date(s):

Tennessee Valley Authority

Execution Date(s) July 19, 2004

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: George E. Farina

Internal Address: _____

Street Address: 110 Cedar Point Lane

City: Killen

State: Alabama

Country: Lauderdale Zip: 35645

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)

5,407,580

5,538,637

5,560,827

Additional numbers attached? ☒ Yes ☐ No

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

Name: George E. Farina

Internal Address: _____

Street Address: 110 Cedar Point Lane

City: Killen

State: Alabama Zip: 35645

Phone Number: 256-757-5983

Fax Number: 256-757-8908

Email Address: mirage8211@aol.com

6. Total number of applications and patents involved:

7

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 280

- ☒ 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 8580

Expiration Date 10/2004

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

George E. Farina
Signature

George E. Farina

Name of Person Signing

27 July 2004
Date

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

OP \$280.00 5407580

700102287

PATENT
REEL: 014901 FRAME: 0909 117

#4 Continuation

B. Patent No.(s)

5,628,907

5,667,693

5,972,118

6,063,204

QUITCLAIM ASSIGNMENT OF PATENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, of which receipt is acknowledged, the TENNESSEE VALLEY AUTHORITY, an agency and instrumentality of the United States created and existing under the Tennessee Valley Authority Act of 1933, as amended (TVA), hereby sells, assigns and quitclaims to GEORGE E. FARINA, an individual residing in Killen, Alabama (Assignee), with an address of 110 Cedar Point Lane, Killen, AL 35645, its entire right, title, and interest in the following United States Letter Patents (collectively referred to as the "Patents"):

1. Patent No. 5,407,580, Process for Separating Acid-Sugar Mixtures using Ion Exclusion Chromatography,
2. Patent No. 5,538,637, Process for Separating Acid-Sugar Mixtures using Ion Exclusion Chromatography
3. Patent No. 5,628,907, Process for Separating Acid-Sugar Mixtures using Ion Exclusion Chromatography
4. Patent No. 5,972,118, Concentrated Sulfuric Acid Hydrolysis of Lignocellulosics

to be held and enjoyed by Assignee and his successors and assigns as fully and entirely as the same would have been held and enjoyed by TVA, had this assignment not been made. Notwithstanding the foregoing, such grant is made subject to the reservation by TVA of a nonexclusive, irrevocable, paid-up license to practice the Patents or have the Patents practiced throughout the world by or on behalf of TVA or the United States. TVA makes no representations, extends no warranties of any kind, and DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY WITH REGARDS TO THE PATENT AND THE INVENTION(S) DESCRIBED THEREIN, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, and assumes no responsibility whatever with respect to the use, sale, or other disposition by or through Assignee of products or systems incorporating or made by use of the Patents. In no event shall TVA, its officers, agents and employees, be liable to Assignee for loss of profit or other economic loss, indirect, special, consequential, or other similar damages, arising out of this Assignment. Assignee shall defend, indemnify and hold TVA, its officers, agents and employees, harmless from and against all liabilities, demands, damages, expenses and losses for death, personal injury, illness or property damage ("claims and damages") arising out of the use by Assignee, and his assignees, of the Patents or any invention(s) described therein.

In testimony whereof, TVA has caused this assignment to be executed by its duly-authorized representative this the 19th day of July, 2004.

TENNESSEE VALLEY AUTHORITY

By: J.R. Bynum

J.R. Bynum

Executive Vice President
Fossil Power Group

Agreed and accepted this 19 day of July, 2004:

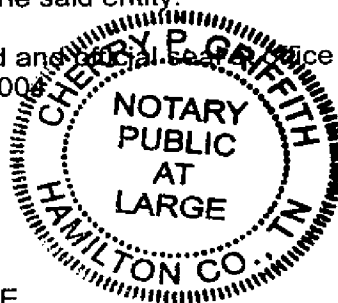
George E. Farina
George E. Farina

STATE OF TENNESSEE
COUNTY OF HAMILTON

Before me, the undersigned authority, a Notary in and for the State and County aforesaid, personally appeared J.R. Bynum, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged himself, upon oath to be a Executive Vice President, Fossil Power Group of the Tennessee Valley Authority, and that he as such officer, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the said entity.

WITNESS my hand and official seal at office in said County this 19th day of

July, 2004.



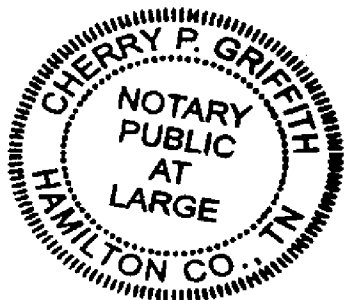
Cherry P. Griffith
NOTARY

STATE OF TENNESSEE
COUNTY OF HAMILTON

Before me, the undersigned authority, a Notary in and for the State and County aforesaid, personally appeared George E. Farina, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged that he executed the foregoing instrument for the purposes therein contained, by signing his name.

WITNESS my hand and official seal at office in said County this 19th day of

July, 2004.



Cherry P. Griffith
NOTARY

QUITCLAIM ASSIGNMENT OF PATENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, of which receipt is acknowledged, the TENNESSEE VALLEY AUTHORITY, an agency and instrumentality of the United States created and existing under the Tennessee Valley Authority Act of 1933, as amended (TVA), hereby sells, assigns and quitclaims to GEORGE E. FARINA, an individual residing in Killen, Alabama (Assignee), with an address of 110 Cedar Point Lane, Killen, AL 35645, its entire right, title, and interest in the following United States Letter Patents (collectively referred to as the "Patents"):

1. Patent No. 5,560,827, Exclusion Chromatographic Separation of Ionic from Nonionic Solutes
2. Patent No. 5,667,693, Exclusion Chromatographic Separation of Ionic from Nonionic Solutes
3. Patent No. 6,063,204, Concentrated Sulfuric Acid Hydrolysis of Lignocellulosics

to be held and enjoyed by Assignee and his successors and assigns as fully and entirely as the same would have been held and enjoyed by TVA, had this assignment not been made. Notwithstanding the foregoing, such grant is made subject to the reservation by TVA of a nonexclusive, irrevocable, paid-up license to practice the Patents or have the Patents practiced throughout the world by or on behalf of TVA or the United States. TVA makes no representations, extends no warranties of any kind, and DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY WITH REGARDS TO THE PATENT AND THE INVENTION(S) DESCRIBED THEREIN, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, and assumes no responsibility whatever with respect to the use, sale, or other disposition by or through Assignee of products or systems incorporating or made by use of the Patents. In no event shall TVA, its officers, agents and employees, be liable to Assignee for loss of profit or other economic loss, indirect, special, consequential, or other similar damages, arising out of this Assignment. Assignee shall defend, indemnify and hold TVA, its officers, agents and employees, harmless from and against all liabilities, demands, damages, expenses and losses for death, personal injury, illness or property damage ("claims and damages") arising out of the use by Assignee, and his assignees, of the Patents or any invention(s) described therein.

In testimony whereof, TVA has caused this assignment to be executed by its duly-authorized representative this the 19th day of July, 2004.

TENNESSEE VALLEY AUTHORITY

By: 

L.R. Bynum

Executive Vice President
Fossil Power Group

Agreed and accepted this 19 day of July, 2004:

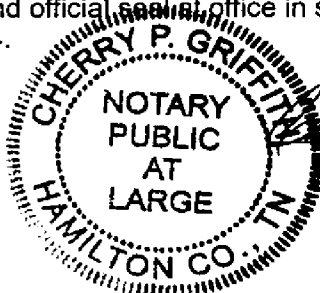

George E. Farina

STATE OF TENNESSEE
COUNTY OF HAMILTON

Before me, the undersigned authority, a Notary in and for the State and County aforesaid, personally appeared J.R. Bynum, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged himself, upon oath to be a Executive Vice President, Fossil Power Group of the Tennessee Valley Authority, and that he as such officer, being authorized so to do, executed the foregoing instrument for the purposes therein contained, by signing the name of the said entity.

WITNESS my hand and official seal at office in said County this 19th day of

July, 2004.



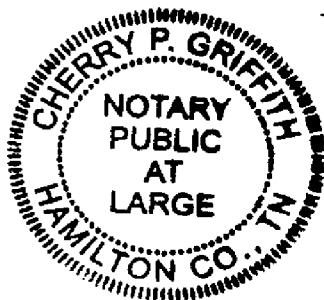
Cherry P. Griffith
NOTARY

STATE OF TENNESSEE
COUNTY OF HAMILTON

Before me, the undersigned authority, a Notary in and for the State and County aforesaid, personally appeared George E. Farina, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who acknowledged that he executed the foregoing instrument for the purposes therein contained, by signing his name.

WITNESS my hand and official seal at office in said County this 19th day of

July, 2004.



Cherry P. Griffith
NOTARY