

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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)

Scott D. SCHWAB
Lawrence Joseph CUNNINGHAM
John D. MORRIS
Joel A. EVANS

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

2. Name and address of receiving party(ies)

Name: Afton Chemical Corporation

Internal Address: _____

Street Address: 500 Spring Street

City: Richmond

State: VA

Country: USA Zip: 23219

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

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

Execution Date(s): Schwab - 5-28-04; Cunningham, Morris, Evans - 5-27-04

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

4. Application or patent number(s):

This document is being filed together with a new application

A. Patent Application No.(s)

Application No.: 10/732,658 filed on 12-10-2003
Attorney Docket No.: EI-7620

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Dennis H. Rainear

Internal Address: Law Dept., Intellectual Property Group

Street Address: 330 South Fourth Street

City: Richmond

State: VA Zip: 23219

Phone Number: 804-788-5516

Fax Number: 804-788-5519

Email Address: Dennis.Rainear@NewMarket.com

6. Total number of applications and patents involved: _____

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 ti

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 05-1372

Authorized User Name Dennis H. Rainear

9. Signature:



July 18, 2006

Date

Signature

Dennis H. Rainear, Reg. No. 32,486

Name of Person Signing

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

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

CH \$40.00 061372 10732658

In re Application of Scott D. SCHWAB et al.

Application No.: 10/732,658
Attorney Docket No.: EI-7620

ASSIGNMENT

We, **SCOTT D. SCHWAB**, 12216 Valleybrook Drive, Richmond, Virginia 23233, a citizen of the United States of America; **LAWRENCE JOSEPH CUNNINGHAM**, 9173 Kings Charter Drive, Mechanicsville, Virginia 23116, a citizen of the United States of America; **JOHN D. MORRIS**, 8126 Greystone East Circle, Richmond, Virginia 23229, a citizen of the United Kingdom; and **JOEL A. EVANS**, 1243 Hawkins Wood Circle, Midlothian, Virginia 23114, a citizen of the United States of America, have invented and own a certain invention entitled:

**METHOD OF IMPROVING THE OPERATION OF
COMBUSTION PARTICULATE FILTERS**

for which invention we have executed an application for a U.S. patent, which is filed herewith, and

WHEREAS, AFTON CHEMICAL CORPORATION, of 500 Spring Street, Richmond, Virginia 23219, (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors, and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

In re Application of SCOTT D. SCHWAB et al.

Attorney Docket No.: EI-7620

Inventor *Scott D Schwab*
SCOTT D. SCHWAB

COMMONWEALTH OF VIRGINIA }
CITY OF *Richmond* }

On this *28th* day of *May*, 2004, personally appeared before me, SCOTT D. SCHWAB, to me known to be the person named in and who executed the above instrument in my presence, who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.

Wichie L Roston
Notary Public

(Notarial Seal)

My Commission Expires *8/31/2004*

Inventor *Lawrence Joseph Cunningham*
LAWRENCE JOSEPH CUNNINGHAM

COMMONWEALTH OF VIRGINIA }
CITY OF *Richmond* }

On this *27th* day of *May*, 2004, personally appeared before me, LAWRENCE JOSEPH CUNNINGHAM, to me known to be the person named in and who executed the above instrument in my presence, who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.

Wichie L Roston
Notary Public

(Notarial Seal)

My Commission Expires *8/31/2004*

In re Application of SCOTT D. SCHWAB et al.

Attorney Docket No.: EI-7620

Inventor *John D. Morris*
JOHN D. MORRIS

COMMONWEALTH OF VIRGINIA }
CITY OF *Richmond* }

On this 27th day of May, 2004, personally appeared before me, JOHN D. MORRIS, to me known to be the person named in and who executed the above instrument in my presence, who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.

Vickie Rector
Notary Public

(Notarial Seal)

My Commission Expires 8/31/2004

Inventor *Joel A. Evans*
JOEL A. EVANS

COMMONWEALTH OF VIRGINIA }
CITY OF *Richmond* }

On this 27th day of May, 2004, personally appeared before me, JOEL A. EVANS, to me known to be the person named in and who executed the above instrument in my presence, who acknowledged that he executed the same of his own free will for the uses and purposes herein mentioned.

Vickie L. Rector
Notary Public

(Notarial Seal)

My Commission Expires 8/31/2004

ASSIGNMENT - FAX-filed
 Attorney Docket No. EI-7620
 Application No.: 10,732,658

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:
 Scott D. SCHWAB et al.

Application Number: 10,732,658


Filed: July 18, 2006

For: **METHOD OF IMPROVING THE
 OPERATION OF COMBUSTION
 PARTICULATE FILTERS**

Examiner: Hyder Ali
 Art Unit: 3747
 Confirmation No.: 8935

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.6

I hereby certify that the correspondence identified below is being facsimile transmitted (571-273-0140) by me to: **MAIL STOP ASSIGNMENT RECORDATION SERVICES**, Director of the US Patent & Trademark Office on July 18, 2006.


 Beth Earnest

**MAIL STOP ASSIGNMENT
 RECORDATION SERVICES**
 Director of the US Patent & Trademark Office
 P. O. Box 1450
 Alexandria, VA 22313-1450

FAX TRANSMITTAL - ASSIGNMENT AND FORM PTO-1595

Sir:

Transmitted herewith for the above application are the following:

- FAX Cover Sheet
- Executed Assignment
- Recordation Cover Sheet, PTO-1595

Please charge my Deposit Account No. 05-1372 in the amount of \$40.00 for the recordation fee.

It is believed that there are no other fees associated with this filing. However, if the calculations are incorrect, the Commissioner is hereby authorized to charge any deficiencies in fees or credit any overpayment associated with this communication to Deposit Account No. 05-1372.

Respectfully submitted,



Dennis H. Rainear, Reg. No. 32,486

330 South Fourth Street
 Richmond, VA 23219
 Phone: 804-788-5516
 FAX: 804-788-5519
 E-Mail: Dennis.Rainear@NewMarket.com

Date: July 18, 2006

RECORDED: 07/18/2006

PATENT
 REEL: 017963 FRAME: 0585