

02-24-2003



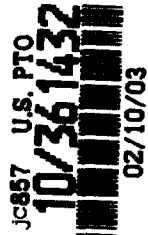
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Attorney Docket No: 25016/127

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
Recordation Form Cover Sheet - Patents

Assistant Commissioner for Patents  
Box Assignments  
Washington, DC 20231

02.10.03



Please record the attached documents:

1) Name of conveying party(ies):

Michael Delos Kass  
Ronald Lee Graves  
John Morse Elliot Storey  
Samuel Arthur Lewis, Sr.  
Charles Scott Sluder  
John Foster Thomas

2) Name and address of receiving party(ies):

UT Battelle, LLC  
Oak Ridge National Laboratory  
P.O. Box 2008  
Oak Ridge, TN 37831-6498

Additional name(s) & address(es) attached: NO

3) Nature of conveyance:

Assignment of Patent Application

Execution Date: February 7, 2003

10361432

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: February 7, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

5) Name and address of party to whom correspondence concerning document should be mailed:

John B. Hardaway, III  
Registration No. 26,554  
NEXSEN PRUET JACOBS & POLLARD, LLC  
Post Office Box 10107  
Greenville, SC 29603-0107  
Telephone: (864) 370- 2211

6) Total number of applications and/or patents involved:  
one (1)

7) Total fee enclosed (37 CFR 3.41):

8) Please charge any deficiencies or credit any over  
ayment to deposit account number 08-0719.

9) To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John B. Hardaway, III  
Reg. No. 26,554  
Date: February 10, 2003

Total number of pages including cover sheet, attachments, and document: 9

02/21/2003 DBYRNE 00000098 080719 10361432  
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## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, I, a below-named co-inventor, whose residences and post office addresses are as stated below, have contributed to the invention of certain new and useful improvements in a **STRIPPING ETHANOL FROM ETHANOL-BLENDED FUELS FOR USE IN NO<sub>x</sub> SCR** for which an application for United States Letters Patent is filed herewith and,

WHEREAS, UT-BATTELLE, LLC, a Limited Liability Company of the State of Tennessee, having an office at Oak Ridge National Laboratory, Post Office Box 2008, Oak Ridge, Tennessee 37831-6498, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE my entire right, title and interest in the application and the invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

I hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of my rights in said Letters Patent, when granted, to the ASSIGNEE.

Further, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of American and in any and all foreign countries.

I further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me, my heirs' legal representatives, and assigns.

**Six Joint Inventors**

Full name of FIRST Co-Inventor:  
Address:

Michael Delos Kass  
103 Cardinal Lane  
Oak Ridge, Tennessee 37830

Signature:

Michael D. Kass

Date: 2-7-03

County:

Knox

State:

TN

On this 7<sup>th</sup> day of February, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared Michael Delos Kass to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Kate Wilson

Notary Public for the State of:

Tennessee

(SEAL)

My Commission Expires:

March 30, 2005

Full name of SECOND Co-Inventor:

Ronald Lee Graves

Address:

12232 Warrior Trail

Knoxville, Tennessee 37922

Signature:

Ronald L. Graves

Date: 2-7-03

County:

Knox

State:

TN

On this 7<sup>th</sup> day of February, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared Ronald Lee Graves to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Kirk A. Wilson

Notary Public for the State of:

Tennessee

(SEAL)

My Commission Expires:

March 30, 2005

Full name of THIRD Co-Inventor:

Address:

John Morse Elliot Storey

129 Mason Lane

Oak Ridge, Tennessee 37830

Signature:

John Morse Elliot Storey

Date:

2/7/2003

County:

Knox

State:

TN

On this 7<sup>th</sup> day of February, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared John Morse Elliot Storey to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Kirk A Wilson  
Notary Public for the State of:  
Tennessee

(SEAL)

My Commission Expires:

March 30, 2005

Full name of FOURTH Co-Inventor:

Address:

Samuel Arthur Lewis, Sr.

4792 Andersonville Highway

Andersonville, Tennessee 37705

Signature:

Samuel Arthur Lewis Sr.

Date: 02/02/2003

County:

Knox

State:

TN

On this 7<sup>th</sup> day of February, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared Samuel Arthur Lewis, Sr. to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Kirk A. Wilson  
Notary Public for the State of:

Tennessee

(SEAL)

My Commission Expires:

March 30, 2005

Full name of FIFTH Co-Inventor:  
Address:

Charles Scott Sluder  
1712 Scenic Valley Lane  
Knoxville, Tennessee 37922

Signature:

C. Scott Sluder

Date:

2/7/2003

County:

Knox

State:

TN

On this 7<sup>th</sup> day of February, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared Charles Scott Sluder to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Kirk A. Wilson  
Notary Public for the State of:

Tennessee

(SEAL)

My Commission Expires:

March 30, 2005

Full name of SIXTH Co-Inventor:  
Address:

John Foster Thomas  
7804 Blueberry Road  
Powell, Tennessee 37849

Signature:

John F Thomas

Date:

2/7/2003

County:

Knox

State:

TN

On this 7<sup>th</sup> day of February, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared John Foster Thomas to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Kirk A Wilson  
Notary Public for the State of:

Tennessee

(SEAL)

My Commission Expires:

March 30, 2005