

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
William Joseph Layman Jr.	05/04/2007
Arthur G. Mack	05/04/2007
Techen Tsao	05/02/2007
Hoover Chew	05/02/2007
Douglas W. Luther	05/11/2007
Jeffery T. Aplin	04/25/2007

RECEIVING PARTY DATA

Name:	Albemarle Corporation
Street Address:	451 Florida Street
City:	Baton Rouge
State/Country:	LOUISIANA
Postal Code:	70801-1765

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US0767188

CORRESPONDENCE DATA

Fax Number: (225)388-7239

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2253888191

Email: Tina_Matz@Albemarle.com

Correspondent Name: Jeremy J. Kliebert

Address Line 1: Albemarle Corporation

Address Line 2: 451 Florida Street

Address Line 4: Baton Rouge, LOUISIANA 70801-1765

ATTORNEY DOCKET NUMBER:

F3-7449+

OP \$40.00 US0767188

500313506

PATENT
REEL: 019551 FRAME: 0409

NAME OF SUBMITTER:

Tina G. Matz

Total Attachments: 5

source=Executed Assignment#page1.tif

source=Executed Assignment#page2.tif

source=Executed Assignment#page3.tif

source=Executed Assignment#page4.tif

source=Executed Assignment#page5.tif

ASSIGNMENT

Application No. PCT/US07/67188 Date Filed : April 23, 2007 Atty Docket No. F3-7449+

I/We, **William Joseph Layman, Jr.** residing at 3265 White Shadows Drive, Baton Rouge Louisiana, 70816; **Arthur G. Mack** residing at 37234 Lakeshore Ave, Prairieville, Louisiana 70769; **Techen Tsao** residing at 2820 Magazine Drive, Baton Rouge, Louisiana, 70816, and **Jeffery Todd Aplin**, 5023 Front Royal Drive, Baton Rouge, Louisiana 70817 (Jeffery Todd Aplin having appeared separately), **Hoover Chew**, 37373 Ski Side Ave., Prairieville, La 70769, **Douglas W. Luther**, 11121 West Anne Drive, Walker, La 70785 have made at least one invention, improvement or discovery described in a patent application having the above-designated Atty Docket No. and named inventors and entitled:

Low Triphenylphosphate, High Phosphorous Content Isopropyl Phenyl Phosphates With High Ortho Alkylation

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/we hereby assign, transfer and set over unto Albemarle Corporation, a Virginia Corporation, having a place of business at Baton Rouge, Louisiana, its successors and assigns, my/our entire right, title and interest in and to said patent application and all inventions, improvements and discoveries described therein and to any and all other patent applications derived totally or in part from said patent application, be they provisional or non-provisional applications, divisional applications, continuation applications or continuation-in-part applications and to any and all patents, reissues, reexaminations and extensions from any of the foregoing applications that are issued, granted or validated by any patent office, including, but not limited to the United States Patent and Trademark Office, any regional patent office and/or any patent office of any country foreign to the United States and to any priority rights available from any of the foregoing; and I/we authorize and request the issuing authority to issue any and all patents on said application or applications to Albemarle Corporation, its successors or assigns.

I/we agree to execute such further papers, and perform such other proper acts as Albemarle Corporation, its successors or assigns may deem necessary to secure to them the rights herein conveyed; and I hereby authorize the insertion into this Assignment of the Application number and filing date of said patent application.

Witnesses:

Tina G. Matz
Name: Tina G. Matz

Mariela T. Stein
Name: Mariela T. Stein

Inventor William Joseph Layman, Jr.
Name: William Joseph Layman, Jr.

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

On this 4 day of May, 2007, personally appeared before me William Joseph Layman, Jr. known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Margaret W. Wendt
Margaret W. Wendt, Notary Public
Notary ID Number 54241

PATENT
REEL: 019551 FRAME: 0411

Witnesses:

Tina G. Matz
Name: Tina G Matz

Mariela T Stein
Name: Mariela T Stein

Inventor

Arthur G. Mack
Name: Arthur G. Mack

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

On this 4 day of May, 2007, personally appeared before me Arthur G. Mack known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Margaret W. Wendt
Margaret W. Wendt, Notary Public
Notary ID Number 54241

Witnesses:

Hoover Chow
Name: Hoover Chow

Janice Scribner
Name: Janice Scribner

Inventor

Techen Tsao
Name: Techen Tsao

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

On this 2 day of May, 2007, personally appeared before me Techen Tsao known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Margaret W. Wendt
Margaret W. Wendt, Notary Public
Notary ID Number 54241

Witnesses:

Techen Tso
Name: Techen Tso

Janice Scribner
Name: Janice Scribner

Inventor

Hoover Chew
Name: Hoover Chew

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

On this 2 day of May, 2007, personally appeared before me Hoover Chew known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Margaret W. Wendt
Margaret W. Wendt, Notary Public
Notary ID Number 54241

Witnesses:

Name:

Inventor

Name: Douglas W. Luther

Name:

STATE OF LOUISIANA

PARISH OF EAST BATON ROUGE

On this ____ day of _____, 2007, personally appeared before me Douglas W. Luther known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Margaret W. Wendt, Notary Public
Notary ID Number 54241

ASSIGNMENT

Application No. PCT/US07/67188 Date Filed : April 23, 2007 Atty Docket No. F3-7449+

I/We, **William Joseph Layman, Jr.** residing at 3265 White Shadows Drive, Baton Rouge Louisiana, 70816; **Arthur G. Mack** residing at 37234 Lakeshore Ave, Prairieville, Louisiana 70769; **Techen Tsao** residing at 2820 Magazine Drive, Baton Rouge, Louisiana, 70816, and **Jeffery Todd Aplin**, 5023 Front Royal Drive, Baton Rouge, Louisiana 70817, **Hoover Chew**, 37373 Ski Side Ave., Prairieville, La 70769, **Douglas W. Luther**, 11121 West Anne Drive, Walker, La 70785 have made at least one invention, improvement or discovery described in a patent application having the above-designated Atty Docket No. and named inventors and entitled:

Low Triphenylphosphate, High Phosphorous Content Isopropyl Phenyl Phosphates With High Ortho Alkylation

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/we hereby assign, transfer and set over unto Albemarle Corporation, a Virginia Corporation, having a place of business at Baton Rouge, Louisiana, its successors and assigns, my/our entire right, title and interest in and to said patent application and all inventions, improvements and discoveries described therein and to any and all other patent applications derived totally or in part from said patent application, be they provisional or non-provisional applications, divisional applications, continuation applications or continuation-in-part applications and to any and all patents, reissues, reexaminations and extensions from any of the foregoing applications that are issued, granted or validated by any patent office, including, but not limited to the United States Patent and Trademark Office, any regional patent office and/or any patent office of any country foreign to the United States and to any priority rights available from any of the foregoing; and I/we authorize and request the issuing authority to issue any and all patents on said application or applications to Albemarle Corporation, its successors or assigns.

I/we agree to execute such further papers, and perform such other proper acts as Albemarle Corporation, its successors or assigns may deem necessary to secure to them the rights herein conveyed; and I hereby authorize the insertion into this Assignment of the Application number and filing date of said patent application.

Witnesses:

Sheryl Goodwin
Name:

Inventor Douglas W. Luther
Name: Douglas W. Luther

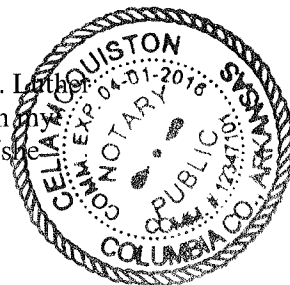
Mary Alexs
Name:

STATE OF ARKANSAS

COUNTY OF COLUMBIA

On this 11th day of May, 2007, personally appeared before me Douglas W. Luther known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Celia McQuiston
Notary Public Name: Celia McQuiston
Notary ID Number: 12347101



PATENT

REEL: 019551 FRAME: 0414

PCT

ASSIGNMENT

Application No. _____ Date Filed : _____ Atty Docket No. F3-7449+

I/We, **William J. Layman, Jr.** residing at 3265 White Shadows Drive, Baton Rouge Louisiana, 70816; **Arthur G. Mack** residing at 37234 Lakeshore Ave, Prairieville, Louisiana 70769; **Techen Tsao** residing at 2820 Magazine Drive, Baton Rouge, Louisiana, 70816, and **Jeffery T. Aplin**, 5023 Front Royal Drive, Baton Rouge, Louisiana 70817, **Hoover Chew**, 37373 Ski Side Ave., Prairieville, La 70769, **Douglas W. Luther**, 11121 West Anne Drive, Walker, La 70785 have made at least one invention, improvement or discovery described in a patent application having the above-designated Atty Docket No. and named inventors and entitled:

Low triphenylphosphate, high phosphorous content isopropyl phenyl phosphates with high ortho alkylation

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I/we hereby assign, transfer and set over unto Albemarle Corporation, a Virginia Corporation, having a place of business at Baton Rouge, Louisiana, its successors and assigns, my/our entire right, title and interest in and to said patent application and all inventions, improvements and discoveries described therein and to any and all other patent applications derived totally or in part from said patent application, be they provisional or non-provisional applications, divisional applications, continuation applications or continuation-in-part applications and to any and all patents, reissues, reexaminations and extensions from any of the foregoing applications that are issued, granted or validated by any patent office, including, but not limited to the United States Patent and Trademark Office, any regional patent office and/or any patent office of any country foreign to the United States and to any priority rights available from any of the foregoing; and I/we authorize and request the issuing authority to issue any and all patents on said application or applications to Albemarle Corporation, its successors or assigns.

I/we agree to execute such further papers, and perform such other proper acts as Albemarle Corporation, its successors or assigns may deem necessary to secure to them the rights herein conveyed; and I hereby authorize the insertion into this Assignment of the Application number and filing date of said patent application.

Witnesses:

Jeffery A. Dugger
Name: _____

Inventor Jeffery T. Aplin
Name: Jeffery T. Aplin

John D. Bodin
Name: _____

STATE OF

PARISH OF

On this 25th day of April, 2007, personally appeared before me Jeffery T. Aplin known by me to be the person named in and who executed the above instrument in my presence and the presence of the above witnesses, and who acknowledged that he/she executed the same of his/her own free will for the purposes herein recited.

Barbara L. Hughes
Notary Public

My Commission Expires 7/21/2014.

PATENT

RECORDED: 07/12/2007

REEL: 019551 FRAME: 0415