

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4518183

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| WILLIAM D. ABRAHAM | 05/02/2017 |
| NGA H. NGUYEN | 05/08/2017 |
| PAUL E. ADAMS | 05/05/2017 |
| KURT F. WOLLENBERG | 05/08/2017 |
| RECEIVING PARTY DATA | |
| Name: | THE LUBRIZOL CORPORATION |
| Street Address: | 29400 LAKELAND BLVD. |
| City: | WICKLIFFE |
| State/Country: | OHIO |
| Postal Code: | 44092-2298 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15525402 |
| CORRESPONDENCE DATA | |
| Fax Number: | (440)347-5219 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | 440-347-5077 |
| Email: | cathy.bartel@lubrizol.com |
| Correspondent Name: | CATHY BARTEL, THE LUBRIZOL CORPORATION |
| Address Line 1: | 29400 LAKELAND BLVD. |
| Address Line 2: | LEGAL DEPARTMENT, MD022B |
| Address Line 4: | WICKLIFFE, OHIO 44092-2298 |
| ATTORNEY DOCKET NUMBER: | 4252-01 |
| NAME OF SUBMITTER: | CATHERINE A. BARTEL |
| SIGNATURE: | /Catherine A. Bartel/ |
| DATE SIGNED: | 07/25/2017 |
| Total Attachments: 4 | |
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged to full satisfaction, I hereby sell and assign to:

☒ THE LUBRIZOL CORPORATION, an Ohio corporation having its principal place of business at 29400 Lakeland Blvd., Wickliffe, Ohio 44092-2298.

(the Assignee) its successors, legal representatives, and assigns, the entire right, title and interest in, to and under the above-identified Application and any inventions disclosed therein, and any letters patent of The United States which may be issued thereon, together with all reissues or reexaminations of said letters patent, all divisions and continuations of said application and all applications and patent rights for the inventions disclosed therein in countries foreign to the United States; and I agree to execute all further papers and do all further acts appropriate to fully vest in said Assignee the rights herein conveyed. I further agree that if the Assignee desires to file a disclaimer relating to any invention contained therein in any country, I will, upon its request, sign and deliver all papers requisite for the filing of such disclaimer. I further authorize and request the Commissioner for Patents and Trademarks of the United States to issue said letters patent to the Assignee.

I authorize the Assignee to insert into this Assignment the filing date and Serial Number of the corresponding U.S. Provisional, PCT, and/or U.S. Utility Applications when known.

U.S. Provisional No.: 62/078,622
PCT Appln. No. PCT/US2015/059153
U.S. Serial No.: 15/525,402

Filed: November 12, 2014
Filed: November 5, 2015
Filed: May 9, 2017

EXECUTED THIS 2nd DAY OF MAY, 2017.

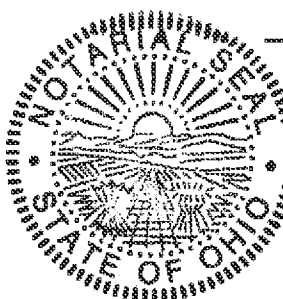

WILLIAM D. ABRAHAM (INVENTOR)

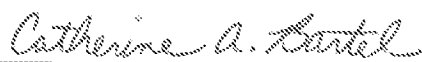
State of Ohio
County of Lake

On this 2nd day of May, 2017, before me a notary public, personally appeared **WILLIAM D. ABRAHAM**, who proved me to by satisfactory evidence, and acknowledged that he/she executed the foregoing instrument in his/her authorized capacity and that he/she executed the same for the purposes contained therein.

In witness hereof, I hereunto set my hand and official seal.

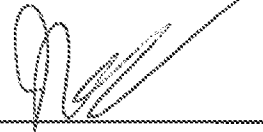
SEAL




NOTARY PUBLIC
CATHERINE A. BARTEL
NOTARY PUBLIC - STATE OF OHIO
Recorded in Lorain County
My commission expires Dec. 28, 2017

(Declaration and Assignment—page 1 of 4)

EXECUTED THIS 3rd DAY OF May, 2017.



NGA H. NGUYEN (INVENTOR)

State of New Jersey)
County of Union)

On this 3rd day of May, 2017, before me a notary public, personally appeared **NGA H. NGUYEN**, who proved me to by satisfactory evidence, and acknowledged that he/she executed the foregoing instrument in his/her authorized capacity and that he/she executed the same for the purposes contained therein.

In witness hereof, I hereunto set my hand and official seal.



NOTARY PUBLIC

SEAL

LAURA QUINN
NOTARY PUBLIC OF NEW JERSEY
ID # 50008178
My Commission Expires 1/21/2020

EXECUTED THIS 5th DAY OF May, 2017.

Paul E. Adams

PAUL E. ADAMS (INVENTOR)

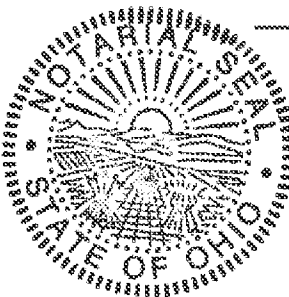
State of Ohio

County of Lake

On this 5th day of May, 2017, before me a notary public, personally appeared **PAUL E. ADAMS**, who proved me to by satisfactory evidence, and acknowledged that he/she executed the foregoing instrument in his/her authorized capacity and that he/she executed the same for the purposes contained therein.

In witness hereof, I hereunto set my hand and official seal.

SEAL



Catherine A. Bartel

NOTARY PUBLIC

CATHERINE A. BARTEL
NOTARY PUBLIC • STATE OF OHIO
Recorded in Lorain County
My commission expires Dec. 29, 2017

EXECUTED THIS 8 DAY OF May, 2017.

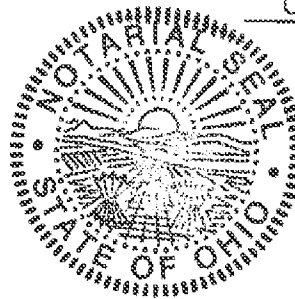
Kurt F. Wollenberg
KURT F. WOLLENBERG (INVENTOR)

State of Ohio)
County of Lake)

On this 8th day of May, 2017, before me a notary public, personally appeared **KURT F. WOLLENBERG** who proved me to by satisfactory evidence, and acknowledged that he/she executed the foregoing instrument in his/her authorized capacity and that he/she executed the same for the purposes contained therein.

In witness hereof, I hereunto set my hand and official seal.

SEAL



Catherine A. Bartel

NOTARY PUBLIC

CATHERINE A. BARTEL
NOTARY PUBLIC • STATE OF OHIO
Recorded in Lorain County
My commission expires Dec. 29, 2017

[THIS DECLARATION ENDS ON THIS PAGE]