503994460 09/07/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BEN FABER	06/14/2016
MARYYUM NASIR	06/20/2016
JENNIFER CLARK	06/14/2016
HANNAH GREENFIELD	06/13/2016
KRISTI SWANK	06/20/2016
BRITT A. MINCH	06/13/2016

RECEIVING PARTY DATA

Name:	THE LUBRIZOL CORPORATION
Street Address:	29400 LAKELAND BLVD.
City:	WICKLIFFE
State/Country:	ОНЮ
Postal Code:	44092-2298

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15103486		

CORRESPONDENCE DATA

Fax Number: (440)347-5219

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.

Phone: 440-347-5045

Email: patents@lubrizol.com

THE LUBRIZOL CORPORATION **Correspondent Name:**

Address Line 1: 29400 LAKELAND BLVD.

Address Line 2: DAWN A. BROWN

Address Line 4: WICKLIFFE, OHIO 44092-2298

ATTORNEY DOCKET NUMBER:	4147
NAME OF SUBMITTER:	DAWN A. BROWN
SIGNATURE:	/Dawn A. Brown/
DATE SIGNED:	09/07/2016

PATENT REEL: 039661 FRAME: 0339 503994460

Total Attachments: 5 source=4147_Assignment#page1.tif source=4147_Assignment#page2.tif source=4147_Assignment#page3.tif source=4147_Assignment#page4.tif source=4147_Assignment#page5.tif

PATENT REEL: 039661 FRAME: 0340

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.

PCT Appln. No.: U.S. Serial No.:	61/918,166 PCT/US14/069934	Filed: Filed: Filed:	December 19, 2013 December 12, 2014
Inventor's signature	SIGNATURE Bentage		Date: <u>14-June-20</u> 4
Residence:	Cleveland Heights, Ohio		
Post Office Address	29400 Lakeland Blvd. Wickliffe, Ohio 44092-2298 U.S.A.		
	######################################		
	SIGNATURE		
Inventor's signature			Date:
	Maryyum Nasir		
Residence:	West Chester, Ohio		
Post Office Address	7267 Cascade Dr. West Chester, Ohio 45069 U.S.A.		

(Declaration and Assignment—page 3 of 5)

REEL: 039661 FRAME: 0341

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.

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U.S. Provisional No.: PCT Appin. No. U.S. Serial No.:	PCT/US14/069934	Filed: Filed: Filed:	December 19, 2013 December 12, 2014
	SIGNATURE		
inventor's signature	Ben Faber	nnonen nen neutre voor	Oste:
Residence:	Cleveland Heights, Ohio		
Post Office Address	29400 Lakeland Blvd. Wickliffe, Ohio 44092-2298 U.S.A.		
	82888		
	SIGNATURE		
inventor's signature	<u> Maryyum Na. Ju</u> Maryyum Nastr	50°° 200000000000000	Date: <u>6/20//6</u>
Residence:	West Chester, Ohio		
	7267 Cascade Dr. West Chester, Ohio 45069 U.S.A.		

(Declaration and Assignment—page 3 of 5)

	SIGNATURE	
Inventor's signature	Jennifer Clark	Date: 14-June -2011
Residence:	Reminderville, Ohio	
Post Office Address	29400 Lakeland Blvd. Wickliffe, Chio 44092-2298 U.S.A.	

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Inventor's signature	Hannah Greenfield	Date: 13-JUNE-2016
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Post Office Address	P.O. Box 88 Belper, Derby DE56 1QN GB	
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inventor's signature	Kristi Swank	Date:
Residence:	Massillon, Ohio	
Post Office Address	3249 Ocala Avenue, N.W. Massillon, Ohio 44646	

US

(Declaration and Assignment-page 4 of 5)

SIGNATURE

Inventor's signature	Jennifer Clark	Date:
Residence:	Reminderville, Ohio	
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Inventor's signature	Hannah Greenfield	Date:
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1/ 1. / /

Kristi Swank

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REEL: 039661 FRAME: 0344

Attorney Docket No: 4147

PATENT

SIGNATURE

Inventor's signature

Britt A. Minch

Mrc/2 Date: 13-June-2016

Residence:

Painesville Township, Ohio

Post Office Address 29400 Lakeland Blvd.

Wickliffe, Ohio 44092-2298

U.S.A.

[THIS DECLARATION ENDS ON THIS PAGE]

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