PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GERARD D. LAPADULA	05/24/2018
TIEP M. PHAM	05/24/2018
MICHAEL DURILLA	05/15/2018
PASCALINE HARRISON TRAN	05/24/2018

RECEIVING PARTY DATA

Name:	BASF CORPORATION	
Street Address:	100 PARK AVENUE	
City:	FLORHAM PARK	
State/Country:	NEW JERSEY	
Postal Code:	07932	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15756432
Application Number:	62221797

CORRESPONDENCE DATA

Fax Number: (973)597-2400

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: 9735972500

Email: skopelevich@lowenstein.com

Correspondent Name: PATENT DOCKET ADMINISTRATOR

Address Line 1: LOWENSTEIN SANDLER LLP ONE LOWENSTEIN DRIVE

Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	28482-645
NAME OF SUBMITTER:	SOFIA KOPELEVICH
SIGNATURE:	/Sofia Kopelevich/
DATE SIGNED:	05/29/2018
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Total Attachments: 3

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> PATENT REEL: 045915 FRAME: 0827

ASSIGNMENT

WHEREAS, I, Gerard D. Lapadula (citizen of United States), residing at 200 West 26th Street, Apartment 9S, New York, NY 10001-6749, **Tiep M. Pham** (citizen of United States), residing at 26 Piedmont Drive, Old Bridge, NJ 08857-2216, **Michael Durilla** (citizen of United States), residing at, 27 Virginia Drive, Howell, NJ 07731 and **Pascaline Harrison Tran** (citizen of United States), residing at 11 Galloping Hill Road, Holmdel, NJ 07733 have invented, developed, and/or have rights in the invention(s) (hereinafter "Invention") disclosed in an application for United States Letters Patent entitled:

"SULFUR-TOLERANT CATALYTIC SYSTEM"

filed on February 28, 2018 and accorded U.S. Application No. 15/756,432, (hereinafter "Application"); and

WHEREAS, BASF Corporation, a corporation organized under the laws of the United States of America and having a place of business at 100 Park Ave, Florham Park, NJ 07932 (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in and to the Invention and in and to the Application.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee and its successors and assigns, our entire right, title and interest, worldwide, in and to the Invention and the Application, and all patents and applications, worldwide, claiming priority to and/or benefit of, directly or indirectly, or based in whole or in part on, said Application and/or said Invention, including continuations, continuations-in-part, divisionals, reissues, reexaminations, renewals, substitutes, and extensions thereof, including but not limited to International Application No. PCT/US2016/052832, filed on September 21, 2016, and U.S. Provisional Application No. 62/221,797, filed on September 22, 2015, and any international and regional applications, based in whole or in part on any of the aforesaid applications or in whole or in part on said Invention, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all utility-model registrations, inventor's certificates, and the like heretofore or hereafter filed, worldwide, for the Invention, and in and to any and all patents (including all extensions, renewals, reexaminations and reissues thereof), worldwide, which have been or may be granted on any of the aforesaid applications or on said Invention or any parts thereof.

AND WE HEREBY covenant and agree for ourselves and our heirs, executors and administrators that we will communicate to Assignee any facts known to us respecting the Invention and the aforementioned applications, sign all lawful papers, testify in any legal proceeding, make all rightful oaths, and take any other actions that may be necessary or desirable to secure to Assignee its right, title, and interest in and to the aforementioned patents, applications and Invention, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for the Invention and the aforementioned patents and applications;

AND WE HEREBY agree to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said applications, or in

PATENT REEL: 045915 FRAME: 0828 the preparation or prosecution of any continuation, continuation-in-part, divisional, substitute, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents or similar rights of any region or country, that may be necessary to secure to Assignee its interest and title in and to said Invention or any parts thereof, and in and to said applications and patents;

AND WE HEREBY authorize and request our agents, Lowenstein Sandler LLP, whose address is 65 Livingston Avenue, Roseland, New Jersey 07068, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said Application when known;

AND WE HEREBY covenant for ourselves and our legal representatives, and agree with said Assignee, its successors and assigns, that we have the full right to convey the entire interest herein assigned, and that we have granted no right or license to make, use, sell or offer to sell said Invention, to anyone except said Assignee, that prior to the execution of this deed, our right, title and interest in said Invention and said Application had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE HEREBY authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue any and all letters patents which may be granted upon said United States and foreign applications or upon the Invention to the Assignee.

5/24/18	Serard O Gadula
Date	Gerard D. Lapadula $\bigvee \ \theta$
5/24 18 Date	Lephen
Date	Tiep M. Pham
- / - / / / / / / / / / / / / / / / / /	
Date	Michael Durilla
J/24//8	Pascalene Dan
Date	Pascaline Harrison Tran

Attorney Docket No. 28482-645 (PF78627US02)

the preparation or prosecution of any continuation, continuation-in-part, divisional, substitute, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents or similar rights of any region of country, that may be necessary to secure to Assignee its interest and title in and to said Invention or any parts thereof, and in and to said applications and patents;

AND WE HEREBY authorize and request our agents, Lowenstein Sandler LLP, whose address is 65 Livingston Avenue, Roseland, New Jersey 07068, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said Application when known.

AND WE HEREBY covenant for ourselves and our legal representatives, and agree with said Assignee, its successors and assigns, that we have the full right to convey the entire interest herein assigned, and that we have granted no right or license to make, use, sell or offer to sell said Invention, to anyone except said Assignee, that prior to the execution of this deed, our right, title and interest in said Invention and said Application had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE HEREBY authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue any and all letters patents which may be granted upon said United States and foreign applications or upon the Invention to the Assignee.

Date	Gerard D. Lapadula
Date Date	Tiep M. Pham Michael Durilla
Date	Pascaline Harrison Tran

PATENT REEL: 045915 FRAME: 0830

RECORDED: 05/29/2018