

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| SHAWN FITZGERALD | 04/04/2013 |
| CHRISTOPHER M. TANGUAY | 04/09/2013 |
| TIMOTHY D. KLOTS | 04/26/2013 |
| RECEIVING PARTY DATA | |
| Name: | BASF CORPORATION |
| Street Address: | 100 PARK AVENUE |
| City: | FLORHAM PARK |
| State/Country: | NEW JERSEY |
| Postal Code: | 07932 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14774408 |
| CORRESPONDENCE DATA | |
| Fax Number: | (215)656-3301 |
| <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: | 215-656-3381 |
| Email: | pto.phil@dlapiper.com |
| Correspondent Name: | IP GROUP OF DLA PIPER LLP (US) |
| Address Line 1: | ONE LIBERTY PLACE |
| Address Line 2: | 1650 MARKET STREET, SUITE 4900 |
| Address Line 4: | PHILADELPHIA, PENNSYLVANIA 19103 |
| ATTORNEY DOCKET NUMBER: | 75182US02/BAF-17-1470WOUS |
| NAME OF SUBMITTER: | SIMA SINGADIA KULKARNI |
| SIGNATURE: | /sima singadia kulkarni/ |
| DATE SIGNED: | 02/20/2018 |
| Total Attachments: 6 | |
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source=1470 Assignment#page6.tif

ASSIGNMENT

WHEREAS, (I) WE, **Shawn FITZGERALD** of 10972 Vanburen Street, Belleville, Michigan 48111, United States of America; **Christopher M. TANGUAY** of 2447 Norwood, Trenton, Michigan 48183, United States of America; and **Timothy D. KLOTS** of 51112 Plymouth Valley Drive, Plymouth, Michigan 48170, United States of America; (declarant(s)) declare that (I) WE have invented a certain new and useful invention entitled:

A PROPPANT

hereinafter the invention or inventions, described in U.S. Provisional Patent Application filed on March 15, 2013, Serial Number 61/792,116, and being owner(s) of all right, title and interest in and to said invention or inventions and to said application, free from all prior assignments, agreements, licenses, mortgages, or other encumbrances whatsoever, and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, **BASF CORPORATION** a corporation of the state of Delaware having a place of business at 100 Park Avenue, Florham Park, New Jersey 07932, (assignee), is desirous of acquiring the entire right, title and interest in and to said invention or inventions, and to said application and to any and all patents to be obtained therefor;

NOW THEREFORE, In accordance with the terms of declarant(s) employment agreement, the declarant(s) does(do) hereby assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the declarant(s) hereby authorize(s) and request(s) the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The declarant(s) further agree(s), in accordance with the terms of declarant(s) employment agreement, without any payment or compensation by said assignee or its successors and assigns, to communicate to said assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other legal proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said assignee, its successors, or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

ASSIGNMENT

The undersigned declarant(s) further agree(s) that all statements made herein of his/her/their own knowledge are true and that all statements made on information or belief are believed to be true. The undersigned understand(s) that willful false statements and the like are punishable by fine or imprisonment, or both (18 U.S.C. 1001) and may jeopardize, the validity of the assignment, or the application or any patent issuing thereon as evidenced by their signature below.

To comply with 37 C.F.R. § 3.21 for recordal of this assignment, we hereby authorize and request the attorney or agent, as designated in any Power of Attorney we have executed with respect to this invention, to insert the filing dates and serial numbers of the above identified patent application(s) when they become known in the space above, if not already provided.

Dated: 4/4/2013

Signed: 
Shawn FITZGERALD

Dated: _____

Signed: _____
Christopher M. TANGUAY

Dated: _____

Signed: _____
Timothy D. KLOTS

ASSIGNMENT

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The declarant(s) further agree(s), in accordance with the terms of declarant(s) employment agreement, without any payment or compensation by said assignee or its successors and assigns, to communicate to said assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other legal proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to do everything possible to aid said assignee, its successors, or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

ASSIGNMENT

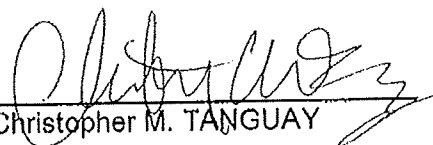
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Dated: _____

Signed: _____
Shawn FITZGERALD

Dated: 4/9/2013

Signed: 
Christopher M. TANGUAY

Dated: _____

Signed: _____
Timothy D. KLOTS

ASSIGNMENT

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Dated: _____

Signed: _____
Shawn FITZGERALD

Dated: _____

Signed: _____
Christopher M. TANGUAY

Dated: 4/26/13

Signed: Timothy D. KLOTS
Timothy D. KLOTS