PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5970850

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| LOHITH KENCHAIAH | 05/14/2018 |
| RAJESH CHOWDHURY | 05/14/2018 |
| GURUNATH POZHAL VENGU | 05/15/2018 |
| GAURAV MEDIRATTA | 05/14/2018 |
| RANJITH CHOORIKKAT | 05/14/2018 |

RECEIVING PARTY DATA

| Name: | SABIC GLOBAL TECHNOLOGIES B.V. | |
|-----------------|--------------------------------|--|
| Street Address: | PLASTICSLAAN 1 | |
| City: | BERGEN OP ZOOM | |
| State/Country: | NETHERLANDS | |
| Postal Code: | 4612 PX | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16392871 |

CORRESPONDENCE DATA

Fax Number: (860)286-0115

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: 860-286-2929

usptopatentmail@cantorcolburn.com, lcandito@cantorcolburn.com Email:

Correspondent Name: CANTOR COLBURN LLP 20 CHURCH STREET Address Line 1:

Address Line 2: 22ND FLOOR

Address Line 4: HARTFORD, CONNECTICUT 06103-3207

| ATTORNEY DOCKET NUMBER: | 18PLAS0011-US-NP | |
|--------------------------------|--|--|
| NAME OF SUBMITTER: | KIMBERLY KAY VINES | |
| SIGNATURE: | /Kimberly K. Vines/ | |
| DATE SIGNED: 02/19/2020 | | |
| | This document serves as an Oath/Declaration (37 CFR 1.63). | |

PATENT REEL: 051860 FRAME: 0148 505924132

Total Attachments: 5 source=8AE9138#page1.tif source=8AE9133#page1.tif source=8AE9123#page1.tif source=8AE9120#page1.tif source=8AE9120#page1.tif

PATENT REEL: 051860 FRAME: 0149

Title of Invention: FUNCTIONAL PHENYLENE ETHER OLIGOMER AND CURABLE AND THERMOSET COMPOSITIONS PREPARED THEREFROM This Assignment is directed to: [] the application having Attorney Docket Number _____, or [X] Patent application number EP 18171054.2 filed on May 7, 2018. [] which claims priority to Patent application number ______ filed on ______ Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (berein referred to as the "APPLICATION"); Whereas, SABIC Global Technologies B.V., a corporation of The Netherlands having a place of business at Plasticslaan 1, 4612 PX Bergen op Zoom, The Netherlands (herein referred to as "ASSIGNEE") desires to acquire or has acquired, and each undersigned inventor acknowledges the obligation to assign to ASSIGNEE, and the parties desire to use this Assignment to memorialize the grant to ASSIGNEE of the entire worldwide right, title, and interest in and to the INVENTION including all embodiments thereof, and in and to any and all patent applications and patents directed thereto: Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged. each undersigned inventor (herein referred to as "ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in any and all countries and jurisdictions, including all priority applications, nonprovisionals, divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents; and any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages. In addition, each undersigned inventor hereby authorizes and requests any official whose duty it is to issue patents, to issue any patent on the INVENTION or from the APPLICATION to said ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees on behalf of themselves, their successors and legal representatives, to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns. Each undersigned inventor also hereby grants ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification of the APPLICATION (including, but not limited to, Application. Number and filing date, and Attorney Docket Numbers), and further grants ASSIGNEE, its successors, legal representatives, and assigns the right to execute confirmatory assignments on their behalf. Signature: Date: 14th May 2018
Name of Inventor: LOHITH KENCHAIAH

First Witness: Date: 14 MAY 2018
Printed Name: PUTHAMANE KIRAN

Printed Name: GIRISH CHANDRA

Second Witness: Date: 1h Ney 2018

PATENT **REEL: 051860 FRAME: 0150** This Assignment is directed to:

ASSIGNMENT

Title of Invention: FUNCTIONAL PHENYLENE ETHER OLIGOMER AND CURABLE AND THERMOSET COMPOSITIONS PREPARED THEREFROM

| [] the application having Attorney Docket Number, or [X] Patent application number EP 18171054.2 filed on May 7, 2018. [] which claims priority to Patent application number filed on |
|--|
| Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the "APPLICATION"); |
| Whereas, SABIC Global Technologies B.V., a corporation of The Netherlands having a place of business at Plasticslaan 1, 4612 PX Bergen op Zoom, The Netherlands (herein referred to as "ASSIGNEE") desires to acquire or has acquired, and each undersigned inventor acknowledges the obligation to assign to ASSIGNEE, and the parties desire to use this Assignment to memorialize the grant to ASSIGNEE of the entire worldwide right, title, and interest in and to the INVENTION including all embodiments thereof, and in and to any and all patent applications and patents directed thereto; |
| Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to as "ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in any and all countries and jurisdictions, including all priority applications, nonprovisionals, divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filling of such applications and granting of such patents; and any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages. In addition, each undersigned inventor hereby authorizes and requests any official whose duty it is to issue patents, to issue any patent on the INVENTION or from the APPLICATION to said ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees on behalf of themselves, their successors and legal representatives, to execute any and all documents and instruments and perform all lawful acts reasonably related to recording |
| Each undersigned inventor also hereby grants ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification of the APPLICATION (including, but not limited to, Application Number and filing date, and Attorney Docket Numbers), and further grants ASSIGNEE, its successors, legal representatives, and assigns the right to execute confirmatory assignments on their behalf. |
| Signature: Kigest CronThuny Date: 14 Mny, 2018 Name of Inventor/RAJESH CHOWDHURY |
| First Witness: |
| Printed Name: MUKESU - AGRANAL |
| Second Witness: Date: 14 MA7 2018 |
| Printed Name: SHUBASHREE S |
| |

| COMPOSITIONS PREPARED THEREFROM |
|--|
| This Assignment is directed to: |
| [] the application having Attorney Docket Number, or [X] Patent application number EP 18171054.2 filed on May 7, 2018. [] which claims priority to Patent application number filed on |
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| Each undersigned inventor also hereby grants ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification of the APPLICATION (including, but not limited to, Application Number and filing date, and Attorney Docket Numbers), and further grants ASSIGNEE, its successors, legal representatives, and assigns the right to execute confirmatory assignments on their behalf. |
| Signature: PV Date: 15-May-2018 Name of Inventor: GURUNATH POZNAL VENGU |
| Pirst Witness: J. 5440/00 NO Date: 15/5/2018 Printed Name: 5860NAR ROOD JAWARDU |
| |
| Second Witness: RASAMA L Reshiftered Date: 15/05/2018. |
| |

 ${\it Title of Invention:} \ \ {\it FUNCTIONAL PHENYLENE ETHER OLIGOMER AND CURABLE AND THERMOSET COMPOSITIONS PREPARED THEREFROM$

| This Assignment is directed to: | |
|--|--|
| [] the application having Attorney Docket Number, or [X] Patent application number <u>EP 18171654.2</u> filed on <u>May 7, 2011</u> | |
| [] which claims priority to Patent application number | filed on |
| Whereas, each undersigned inventor has made certain inventions, impto- the "INVENTION") disclosed in the above-identified patent application | vements, and discoveries (herein referred to as (herein referred to as the "APPLICATION"); |
| Whereas, SABIC Global Technologies B.V., a corporation of The Netherlasticslaan 1, 4612 PX Bergen op Zoom, The Netherlands (herein refernas acquired, and each undersigned inventor acknowledges the obligation lesire to use this Assignment to memorialize the grant to ASSIGNEE of an and to the INVENTION including all embodiments thereof, and in an lirected thereto; | red to as "ASSIGNEE") desires to acquire or in to assign to ASSIGNEE, and the parties f the entire worldwide right, title, and interest |
| Now, therefore, for good and valuable consideration, the receipt and suf- tach undersigned inventor (herein referred to as "ASSIGNOR") hereby to therwise transfers or has transferred to the ASSIGNEE, its successors, worldwide right, title, and interest in and to the INVENTION, the APPL applications and patents for the INVENTION which may be applied for and jurisdictions, including all priority applications, nonprovisionals, dir reissues, reexaminations, renewals, extensions, counterparts, substitutes, priority resulting from the filing of such applications and granting of such action, with respect to any of the foregoing, whether accruing before, rights to and claims for damages, resitution and injunctive and other leg future infringement, dilution, misappropriation, violation, misuse, breac sue for such legal and equitable relief and to collect, or otherwise recove undersigned inventor hereby authorizes and requests any official whose on the INVENTION or from the APPLICATION to said ASSIGNEE, it the entire worldwide right, title, and interest in and to the same to be hel legal representatives, and assigns to the full end of the terms for which a fully and entirely as would have been held and enjoyed by the undersign each undersigned inventor agrees on behalf of themselves, their success and all documents and instruments and perform all lawful acts reasonab perfecting title to the INVENTION, the APPLICATION, and all related successors, legal representatives, and assigns, whenever requested by A and assigns. | sells or has sold, assigns or has assigned, and legal representatives, and assigns, the entire .ICATION, and any and all other patent or granted therefor in any and all countries visions, continuations, continuations-in-part, , and extensions thereof, and all rights of ch patents; and any and all claims and causes on and/or after the date hereof, including all gal and equitable relief for past, present and h or default, with the right but no obligation to er, any such damages. In addition, each duty it is to issue patents, to issue any patent is successors, legal representatives, and assigns lid and enjoyed by ASSIGNEE, its successors, any and all such patents may be granted, as need had this Assignment not been made; and for and legal representatives, to execute any sty related to recording this Assignment or I patents and applications, in ASSIGNEE, its |
| Each undersigned inventor also hereby grants ASSIGNEE, its successor to insert in this Assignment any further identification of the APPLICAT Number and filing date, and Attorney Docket Numbers), and further grantersentatives, and assigns the right to execute confirmatory assignment | TION (including, but not limited to, Application ants ASSIGNEE, its successors, logal not on their behalf. |
| Signature: Laurina Medinatto Name of Inventor: GAURAV MEDIRATTA | Date: May 14, 2018 |
| First Witness: Sandy Charged | |
| Printed Name: CAMBHATT N. CHOUGULE | |
| Second Witness: | Date: 14 loy 14, 2018 |
| Printed Name: Frashant. Shinge | |
| | No. |

Title of Invention: FUNCTIONAL PHENYLENE ETHER OLIGOMER AND CURABLE AND THERMOSET COMPOSITIONS PREPARED THEREFROM This Assignment is directed to: [] the application having Attorney Docket Number _____, or [X] Patent application number EP 18171054.2 filed on May 7, 2018. [] which claims priority to Patent application number ______ filed on _____. Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the "APPLICATION"); Whereas, SABIC Global Technologies B.V., a comporation of The Netherlands having a place of business at Plasticslaan 1, 4612 PX Bergen op Zoom. The Netherlands (herein referred to as "ASSIGNEE") desires to acquire or has acquired, and each undersigned inventor acknowledges the obligation to assign to ASSIGNEE, and the parties desire to use this Assignment to memorialize the grant to ASSIGNEE of the entire worldwide right, title, and interest in and to the INVENTION including all embodiments thereof, and in and to any and all patent applications and patents directed thereto: Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to as "ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in any and all countries and jurisdictions, including all priority applications, nonprovisionals, divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents; and any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages. In addition, each undersigned inventor hereby authorizes and requests any official whose duty it is to issue patents, to issue any patent on the INVENTION or from the APPLICATION to said ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees on behalf of themselves, their successors and legal representatives, to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives. and assigns. Each undersigned inventor also hereby grants ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification of the APPLICATION (including, but not limited to, Application Number and filing date, and Attorney Docket Numbers), and further grants ASSIGNEE, its successors, legal representatives, and assigns the right to execute confirmatory assignments on their behalf. Second Witness:

> PATENT REEL: 051860 FRAME: 0154

RECORDED: 02/19/2020

Printed Name: ASHOK NAMLADKAR