PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6324990

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| MATTHEW D. CHRISTIANSON | 05/14/2018 |
| JERZY KLOSIN | 05/14/2018 |
| EDMUND M. CARNAHAN | 05/15/2018 |
| ANDREW J. YOUNG | 05/14/2018 |

RECEIVING PARTY DATA

| Name: | DOW GLOBAL TECHNOLOGIES LLC |
|-----------------|-----------------------------|
| Street Address: | 2211 H.H. DOW WAY |
| City: | MIDLAND |
| State/Country: | MICHIGAN |
| Postal Code: | 48674 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17043326 |

CORRESPONDENCE DATA

Fax Number: (937)449-6405

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: 9374496400

Email:daytonipdocket@dinsmore.comCorrespondent Name:DINSMORE & SHOHL LLPAddress Line 1:ONE SOUTH MAIN STREET

Address Line 2: FIFTH THIRD CENTER, SUITE 1300

Address Line 4: DAYTON, OHIO 45402

| ATTORNEY DOCKET NUMBER: 81014-US-PCT/DOW 81014 PA | |
|---|----------------------|
| NAME OF SUBMITTER: | KATHERINE GHEARING |
| SIGNATURE: | /Katherine Ghearing/ |
| DATE SIGNED: | 09/29/2020 |

Total Attachments: 5

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PATENT 506278243 REEL: 053920 FRAME: 0281

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source=Assignment - Inventors to DGTL#page4.tif
source=Assignment - Inventors to DGTL#page5.tif

TRUE COPY

TO ALL TO WHOM THESE PRESENTS SHALL COME,

I Do Hereby Certify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared.

| at | low | a Colony, | Texas, U.S. | A, 77583 | | |
|--------|------|-----------|-------------|------------|-----------|-------------|
| this _ | 1045 | day of | Dula | | 20 | <u> </u> |
| | | | 10 | 77/2 | | |
| | | | ş | Christoph | ner Løgan | <u>~</u> |
| | | | meng is or | Senior (| Counsel | WA KINI |
| | | | 1Ht | E DOW CHEM | HCAL COM | PANY |

NOTARIAL CERTIFICATE

| UNITED STATES OF AMERICA) STATE OF Texas) SS County/Parish of Brazoria) | |
|--|--------------------|
| On this day ofappeared before me, | 20_ &s, personally |

Christopher Logan

known or identified to me to be the individual who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.



Notary Public

ASSIGNEE ACCEPTANCE

WE, the ASSIGNEE:

DOW GLOBAL TECHNOLOGIES LLC

2040 Dow Center

Midland, Michigan 48674 United States of America

hereby accept the ASSIGNMENT which is dated: May 14, 2018; May 14, 2018; May 15, 2018; and May 14, 2018, respectively

From, the ASSIGNORS: Matthew D. Christianson, at 1776 Building, Midland, Michigan 48674, United States of America; Jerzy Klosin, at 1776 Building, Midland, Michigan 48674, United States of America; Edmund M. Carnahan, at 230 Abner Jackson Parkway, Herbert H. Dow Building, Lake Jackson, Texas 77566, United States of America; and Andrew J. Young, at 230 Abner Jackson Parkway, Herbert H. Dow Building, Lake Jackson, Texas 77566, United States of America

of the invention entitled:

HIGHLY SOLUBLE ALKYL SUBSTITUTED CARBENIUM BORATE AS CO-CATALYSTS FOR OLEFIN POLYMERIZATIONS

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

| Signed at Midland | , Michigan 48674, US | A | |
|--------------------------------|----------------------|----------------------------------|--|
| this 29 th day of _ | Acquest | , 20 <u>[8</u> | |
| CORP. | DOM GTO | HAL TECHNOLOGIES LLC | |
| SEAL. | Ву: | There Mal | |
| | <i>y</i> | N W. MORK ized Representative | |

s i it is in the ENCLISH issue

FORM 110 (8.597)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

(with Priority Rights)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: HIGHLY SOLUBLE ALKYL SUBSTITUTED CARBENIUM BORATE AS CO-CATALYSTS FOR **OLEFIN POLYMERIZATIONS**

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC 2040 Dow Center Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

| Priority Number | Filing Date | Filing Country |
|-----------------|----------------|--------------------------|
| 62/650,462 | March 30, 2018 | United States of America |

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

| At: Midland, MI | At: Midland Mi |
|--|---|
| this May day of May , 20 18 | this /4/4 day of Mac .20/X |
| Effective as of March 30, 2018 | Effective as of March 30, 2018 |
| Signature: | Signature: Full Name: Jerzy Klosin Mailing Address: 1776 Building |
| Full Name: Matthew D. Christianson | Full Name: Jerzy Klosty |
| Mailing Address: 1776 Building | Mailing Address: 1776 Building |
| Midland, Michigan 48674 | Midland, Michigan 48674 |
| United States of America | United States of America |
| | At: |
| this day of , 20 | this day of .20 |
| Effective as of March 30, 2018 | Effective as of March 30, 2018 |
| Signature: | Signature: |
| Full Name: Edmund M. Carnahan | Full Name: Andrew J. Young |
| Mailing Address: 230 Abner Jackson Parkway | Mailing Address: 230 Abner Jackson Parkway |
| Herbert H. Dow Building | Herbert H. Dow Building |
| Lake Jackson, Texas 77566 | Lake Jackson, Texas 77566 |
| United States of America | United States of America |

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and It/Date,

110 # 110

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and I/Da

FORM 110 (R. 5/97)

INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION

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I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled: HIGHLY SOLUBLE ALKYL SUBSTITUTED CARBENIUM BORATE AS CO-CATALYSTS FOR OLEFIN POLYMERIZATIONS

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC 2040 Dow Center Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the state of **Delaware** (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

| Priority Number | Filing Date | Filing Country |
|-----------------|----------------|--------------------------|
| 62/650,462 | March 30, 2018 | United States of America |

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

I/we authorize Assignee or its designee to translate this Assignment into all languages necessary, and we request that any such Letters Patent be issued to Assignee, and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

| At: | At: |
|--|--|
| this day of , 20 | this day of , 20 |
| Effective as of March 30, 2018 | Effective as of March 30, 2018 |
| Signature: | Signature: |
| Full Name: Matthew D. Christianson | Full Name: Jerzy Klosin |
| Mailing Address: 1776 Building | Mailing Address: 1776 Building |
| Midland, Michigan 48674 | Midland, Michigan 48674 |
| United States of America | United States of America |
| | |
| At: LAK& Jackson TX 77566 | At: |
| this | this day of , 20 |
| Effective as of March 30, 2018 | Effective as of March 30, 2018 |
| Signature: | Signature: |
| Full Name: Edmund M. Carnaharr | Full Name: Andrew J. Young |
| Mailing Address: 230 Abnér Jackson Parkway | Mailing Address: 230 Abner Jackson Parkway |
| Herbert H. Dow Building | Herbert H. Dow Building |
| Lake Jackson, Texas 77566 | Lake Jackson, Texas 77566 |
| United States of America | United States of America |

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which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow Global Technologies LLC 2040 Dow Center Midland, Michigan 48674 United States of America

an entity organized and existing under the laws of the state of Delaware (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)), and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the Priority Number, Filing Date, and Filing Country

| Pr | ionny rannosi | Filing Date | :: | Filing Country |
|----------|---------------|----------------|----|--------------------------|
| , o o °° | 02/000,402 | March 30, 2018 | | United States of America |

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request.

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Subscribed and Declared by me/us.

| At: | At: | | |
|--|--|--|--|
| this day of , 20 | this day of , 20 | | |
| Effective as of March 30, 2018 | Effective as of March 30, 2018 | | |
| | | | |
| Signature: | Signature: | | |
| Full Name: Matthew D. Christianson | Full Name: Jerzy Klosin | | |
| Mailing Address: 1776 Building | Mailing Address: 1776 Building | | |
| Midland, Michigan 48674 | Midland, Michigan 48674 | | |
| United States of America | United States of America | | |
| | | | |
| At | At: Lake Jackson, TX | | |
| this day of , 20 | this 14 day of 16 18 | | |
| Effective as of March 30, 2018 | Effective as of March 30, 2018 | | |
| | Signature. Ala Q Garage | | |
| Signature: | Signature: (A) | | |
| Full Name: Edmund M. Carnahan | Full Name: Andrew J. Young | | |
| Mailing Address: 230 Abner Jackson Parkway | Mailing Address: 230 Abner Jackson Parkway | | |
| Herbert H. Dow Building | Herbert H. Dow Building | | |
| Lake Jackson, Texas 77566 | Lake Jackson, Texas 77566 | | |
| United States of America | United States of America | | |

PATENT REEL: 053920 FRAME: 0287

RECORDED: 09/29/2020