## 505029106 07/31/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5075856

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
PAULETTE N. HAZIN	07/30/2018
ZHUN ZHAO	07/30/2018
ASHWIN PATEL	07/30/2018
JASON LOILAND	07/30/2018
DICK ALAN NAGAKI	07/30/2018

### **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:	16046665

### CORRESPONDENCE DATA

**Fax Number:** (215)568-3439

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.

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Correspondent Name: BAKER HOSTETLER LLP

Address Line 1: CIRA CENTRE, 2929 ARCH ST. 12TH FLOOR Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104

ATTORNEY DOCKET NUMBER:	092474.030680 (17T&I0162)	
NAME OF SUBMITTER:	JANET WEEMS	
SIGNATURE:	/JANET WEEMS/	
DATE SIGNED:	07/31/2018	

**Total Attachments: 5** 

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PATENT REEL: 046514 FRAME: 0465

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This Assignment is directed to:

### ASSIGNMENT

Title of Invention: FUNCTIONALIZED BORON NITRIDE CATALYSTS FOR THE PRODUCTION OF LIGHT OLEFINS FROM ALKANE FEEDS VIA OXIDATIVE DEHYDROGENATION

[ ] the attached application, or	
[ ] patent application number 16046665 filed on July 26, 2018.	
[ ] which claims priority to Patent application number	filed on
Whereas, each undersigned inventor has made certain inventions, impa as the "INVENTION") disclosed in the above-identified patent applica "APPLICATION"):	
Whereas, SABIC Global Technologies B.V., a corporation of The Netl Plasticslaan 1, 4612 PX Bergen op Zoom, The Netherlands (herein refi or has acquired, and each undersigned inventor acknowledges the oblig desire to use this Assignment to memorialize the grant to ASSIGNEE interest in and to the INVENTION including all embodiments thereof, and patents directed thereto;	erred to as "ASSIGNEE") desires to acquire gation to assign to ASSIGNEE, and the parties of the entire worldwide right, title, and
Now, therefore, for good and valuable consideration, the receipt and stacknowledged, each undersigned inventor (herein referred to as "ASSI has assigned, and otherwise transfers or has transferred to the ASSIGN assigns, the entire worldwide right, title, and interest in and to the INV all other patent applications and patents for the INVENTION which mand all countries and jurisdictions, including all priority applications, no continuations-in-part, reissues, reexaminations, renewals, extensions, or thereof, and all rights of priority resulting from the filing of such applicated hereof, including all rights to and claims for damages, restitution a relief for past, present and future infringement, dilution, misappropriation the right but no obligation to sue for such legal and equitable relief and damages. In addition, each undersigned inventor hereby authorizes and issue patents, to issue any patent on the INVENTION or from the APP successors, legal representatives, and assigns, the entire worldwide right held and enjoyed by ASSIGNEE, its successors, legal representatives, which any and all such patents may be granted, as fully and entirely as undersigned had this Assignment not been made; and each undersigned their successors and legal representatives, to execute any and all documents reasonably related to recording this Assignment or perfecting title and all related patents and applications, in ASSIGNEE, its successors, requested by ASSIGNEE, its successors, legal representatives, and assigneed their successors, and applications, in ASSIGNEE, its successors, and assigned the patents and applications, in ASSIGNEE, its successors, and assigned the patents and applications, in ASSIGNEE, its successors, and assigned the patents and applications, in ASSIGNEE, and assigned the patents and applications are patents.	GNOR") hereby sells or has sold, assigns or IEE, its successors, legal representatives, and ENTION, the APPLICATION, and any and any be applied for or granted therefor in any comprovisionals, divisions, continuations, counterparts, substitutes, and extensions cations and granting of such patents; and any g, whether accruing before, on and/or after the and injunctive and other legal and equitable ion, violation, misuse, breach or default, with I to collect, or otherwise recover, any such d requests any official whose duty it is to LICATION to said ASSIGNEE, its lit, title, and interest in and to the same to be and assigns to the full end of the terms for would have been held and enjoyed by the I inventor agrees on behalf of themselves, tents and instruments and perform all lawful to the INVENTION, the APPLICATION, legal representatives, and assigns, whenever
Each undersigned inventor also hereby grants ASSIGNEE, its successoright to insert in this Assignment any further identification of the APPL Application Number and filing date, and Attorney Docket Numbers), as legal representatives, and assigns the right to execute confirmatory assigns the right to execute confirmation the right to execute the	JCATION (including, but not limited to, nd further grants ASSIGNEE, its successors, gnments on their behalf.
Signature:	Date: 7/30/20/5
First Witness:	Date: 7/30/2018
Printed Name: Wagong Lang	
Second Witness:	Date: <u>43</u> )/2778
Printed Name:	<del></del>

## ASSIGNMENT

Title of Invention: FUNCTIONALIZED BORON NITRIDE CA	
LIGHT OLEFINS FROM ALKANE FEEDS VIA OXIDATIVE	DENTIKUGENATION
This Assignment is directed to:	
[ ] the attached application, or [ ] patent application number 16046665 filed on July 26, 2018.	
[ ] which claims priority to Patent application number	filed on
[ ] which ciains briding to ratem application timinos.	THER ON
Whereas, each undersigned inventor has made certain inventions, in as the "INVENTION") disclosed in the above-identified patent apple "APPLICATION");	
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Now, therefore, for good and valuable consideration, the receipt and acknowledged, each undersigned inventor (herein referred to as "AS has assigned, and otherwise transfers or has transferred to the ASSIC assigns, the entire worldwide right, title, and interest in and to the IN all other patent applications and patents for the INVENTION which and all countries and jurisdictions, including all priority applications continuations-in-part, reissues, reexaminations, renewals, extensions thereof, and all rights of priority resulting from the filing of such appand all claims and causes of action, with respect to any of the forego date hereof, including all rights to and claims for damages, restitution relief for past, present and future infringement, dilution, misapproprist the right but no obligation to sue for such legal and equitable relief a damages. In addition, each undersigned inventor hereby authorizes a issue patents, to issue any patent on the INVENTION or from the AI successors, legal representatives, and assigns, the entire worldwider held and enjoyed by ASSIGNEE, its successors, legal representative which any and all such patents may be granted, as fully and entirely undersigned had this Assignment not been made; and each undersign their successors and legal representatives, to execute any and all octs reasonably related to recording this Assignment or perfecting tit and all related patents and applications, in ASSIGNEE, its successor requested by ASSIGNEE, its successors, legal representatives, and a	SIGNOR") hereby sells or has sold, assigns or GNEE, its successors, legal representatives, and IVENTION, the APPLICATION, and any and may be applied for or granted therefor in any anonprovisionals, divisions, continuations, a counterparts, substitutes, and extensions offications and granting of such patents; and any sing, whether accruing before, on and/or after the n and injunctive and other legal and equitable lation, violation, misuse, breach or default, with and to collect, or otherwise recover, any such and requests any official whose duty it is to PPLICATION to said ASSIGNEE, its light, title, and interest in and to the same to be a said assigns to the full end of the terms for as would have been held and enjoyed by the ned inventor agrees on behalf of themselves, uments and instruments and perform all lawfulle to the INVENTION, the APPLICATION, s, legal representatives, and assigns, whenever
Each undersigned inventor also hereby grants ASSIGNEE, its successight to insert in this Assignment any further identification of the AP Application Number and filing date, and Attorney Docket Numbers), legal representatives, and assigns the right to execute confirmatory as	PLICATION (including, but not limited to, , and further grants ASSIGNEE, its successors,
Signature: Name of Inventor: ZHUN ZHAO	Date: 7/30/2018
First Witness:	Date: 7/30/18
Printed Name: (1) years (1019)	<del></del>
Second Witness: Middle Co. Carple	Date: 7/30/18
Printed Name: Michelle D. Casper!	

Printed Name:

#### ASSIGNMENT

Title of Invention: FUNCTIONALIZED BORON NITRIDE CATALYSTS FOR THE PRODUCTION OF LIGHT OLEFINS FROM ALKANE FEEDS VIA OXIDATIVE DEHYDROGENATION This Assignment is directed to: [ ] the attached application, or patent application number 16046665 filed on 26 July 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 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. Name of Inventor: ASHWIN PATEL First Wimess: Printed Name: Second Witness:

### ASSIGNMENT

Title of Invention: FUNCTIONALIZED BORON NITRIDE CATALYSTS FOR THE PRODUCTION OF

LIGHT OLEFINS FROM ALKANE FEEDS VIA OXIDATIVE DEHYDROGENATION
This Assignment is directed to:
[ ] the attached application, or
[ ] patent application number 16846665 filed on July 26, 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
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Signature:
First Witness: Date: 7/21/12
Printed Name: Wiggest Cana
Second Witness Base

**RECORDED: 07/31/2018** 

## ASSIGNMENT

Title of Invention: FUNCTIONALIZED BORON NITRIDE CATALYSTS FOR THE PRODUCTION OF LIGHT OLEFINS FROM ALKANE FEEDS VIA OXIDATIVE DEHYDROGENATION
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First Witness: Date: 7/30/18 Printed Name: Wassing Lickly
Second Witness Date: 7/3 / 18
Printed Name: Nather Tickel