#### 12/15/2017 504690167

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4736889

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CARLOS R. LOPEZ-BARRON	11/13/2017
MARK K. DAVIS	11/29/2017
ALAN A. GALUSKA	11/17/2017
YONG YANG	11/17/2017
MOSHA H. ZHAO	12/08/2017

#### **RECEIVING PARTY DATA**

Name:	EXXONMOBIL CHEMICAL PATENTS INC.
Street Address:	5200 BAYWAY DRIVE
City:	BAYTOWN
State/Country:	TEXAS
Postal Code:	77520

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	15808096		

#### **CORRESPONDENCE DATA**

Fax Number: (281)834-0525

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: 346-259-1745

Email: kerri.l.harvey@exxonmobil.com

**Correspondent Name: EXXONMOBIL CHEMICAL COMPANY** 

P.O. BOX 2149 Address Line 1:

Address Line 4: **BAYTOWN, TEXAS 77522-2149** 

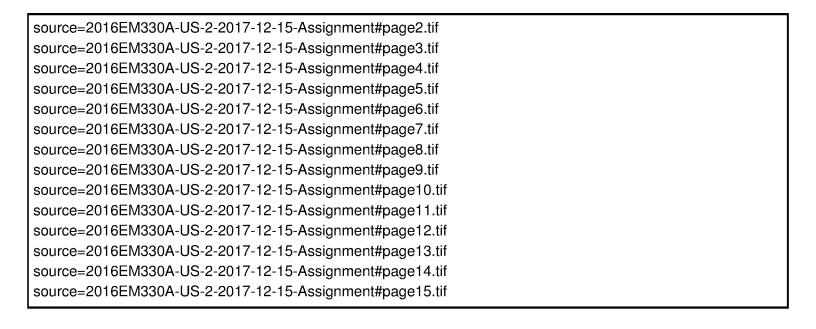
ATTORNEY DOCKET NUMBER:	2016EM330A US 893508 PR
NAME OF SUBMITTER:	KEVIN M. FAULKNER
SIGNATURE:	/Kevin M. Faulkner/
DATE SIGNED:	12/15/2017

**Total Attachments: 15** 

source=2016EM330A-US-2-2017-12-15-Assignment#page1.tif

**PATENT REEL: 044406 FRAME: 0787** 

504690167



PATENT REEL: 044406 FRAME: 0788

### INVENTOR(S):

	Carios R. Lopez-Darron	Viark K. Davis
	Alan A. Galuska	Yong Yang
	Mosha H. Zhao	
pron	onsideration of One Dollar (\$1.00) and other pairs of payment which is hereby acknowled red to as UNDERSIGNED, hereby agree(s) as i	good and valuable consideration, the receipt of and/or ged, the undersigned person(s) named above, herein ollows:
1)	<ul> <li>Delaware, its successors, legal representat</li> <li>ASSIGNEE, the entire right, title and interest</li> </ul>	conMobil Chemical Patents Inc., a corporation of ives and assigns, herein referred to collectively as , for the United States and all foreign countries, in and tent and to all patent applications and patents covering in entitled:
	"Poly(vinylbiphenyl) and Poly(vinylo Therefr	yclohexylstyrene) Polymers and Articles om"
	and being further identified as USSN Applica No. 2016EM330A/2, filed, November 09 said application under provisions of internation	tion No.: 15/808,096; Atty. Docket . 2017, and all rights of priority created by mal conventions or treaties.
2)	and documents relating to obtaining patent improvement, and any continuations of suc thereof, and any specific separate assignment	of ASSIGNEE to execute any and all applications for is and the prosecution thereof for said invention or applications or substitutes therefore or registrations at of any of the above required for recording in the any foreign patent office that ASSIGNEE may deem
3)	improvement, or patent issued thereon, or becoming involved in priority of invention	of any application based on said assigned invention or any reissue or application for the reissue thereof, proceedings, UNDERSIGNED will cooperate with DERSIGNED in the matter of preparing and executing once in support thereof.

UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been

UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph I, in this instrument the date on which the above-referenced patent application was filed, as well as the

held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

application number thereof when known.

4)

5)

Page 1 of 3

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE	11/13/2017	
7 0 4 00	A Comment of the Comm	Carlos R. Lopez-Barron
Tan	<u>nara Blanton</u> Witness (Print Name)	Jamus Blank Witness (Signature)
DATE		Mark K. Davis
•	Witness (Print Name)	Witness (Signature)
DATE	·	Alan A. Galuska
	Witness (Print Name)	Witness (Signature)
ate .		
		Yong Yang
	Witness (Print Name)	Witness (Signature)

Page 2 of 3

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			Moshal	
	***************************************		 ***************************************	
	Witness (Prin	t Name)	Witness (Sior	

### INVENTOR(S):

Mark K. Davis

Carlos R. Lopez-Barron

	Alan A. Galuska	Yong Yang
	Mosha H. Zhao	
pron	onsideration of One Dollar (\$1.00) and other gonise of payment which is hereby acknowledgeted to as UNDERSIGNED, hereby agree(s) as for	ood and valuable consideration, the receipt of and/ored, the undersigned person(s) named above, herein llows:
1)	Delaware, its successors, legal representative ASSIGNEE, the entire right, title and interest,	onMobil Chemical Patents Inc., a corporation of es and assigns, herein referred to collectively as for the United States and all foreign countries, in and ent and to all patent applications and patents covering entitled:
	"Poly(vinylbiphenyl) and Poly(vinylcy Therefro	clohexylstyrene) Polymers and Articles m"
	and being further identified as USSN Applications. No. 2016EM330A/2, filed, November 09, said application under provisions of internations.	on No.: <u>15/808,096</u> ; Atty. Docket 2017, and all rights of priority created by sal conventions or treaties.
2)	and documents relating to obtaining patents improvement, and any continuations of such thereof, and any specific separate assignment	f ASSIGNEE to execute any and all applications for and the prosecution thereof for said invention or applications or substitutes therefore or registrations s of any of the above required for recording in the lany foreign patent office that ASSIGNEE may deem
3)	improvement, or patent issued thereon, or becoming involved in priority of invention	any application based on said assigned invention or any reissue or application for the reissue thereof, proceedings, UNDERSIGNED will cooperate with ERSIGNED in the matter of preparing and executing

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held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

all documents and giving and producing evidence in support thereof.

application number thereof when known.

5)

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE	
	Carlos R. Lopez-Barron
Witness (Print Name)	Witness (Signature)
DATE 11/29/2017	Much h Comments
CHAD SELJESETH Witness (Print Name)	Chad Good Winness (Signature)
DATE	Alan A. Galuska
Witness (Print Name)	Witness (Signature)
DATE	Yong Yang
Witness (Print Name)	Witness (Signature)

Page 2 of 3

REEL: 044406 FRAME: 0793

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#### INVENTOR(S):

Mark K. Davis

Carlos R. Lopez-Barron

	Alan A. Galuska	Yong Yang
	Mosha H. Zhao	<u></u>
pror	onsideration of One Dollar (\$1.00) and other nise of payment which is hereby acknowled tred to as UNDERSIGNED, hereby agree(s) as	good and valuable consideration, the receipt of and/or lged, the undersigned person(s) named above, herein follows:
I)	Delaware, its successors, legal represental ASSIGNEE, the entire right, title and interes	xonMobil Chemical Patents Inc., a corporation of tives and assigns, herein referred to collectively as at, for the United States and all foreign countries, in and ment and to all patent applications and patents covering on entitled:
	"Poly(vinylbiphenyl) and Poly(vinyl Therefi	cyclohexylstyrene) Polymers and Articles

and being further identified as USSN Application No.: 15/808,096; Atty. Docket No. 2016EM330A/2, filed, November 09, 2017, and all rights of priority created by said application under provisions of international conventions or treaties.

- 2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.
- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph I, in this instrument the date on which the above-referenced patent application was filed, as well as the application number thereof when known.

Page 1 of 3

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE	water the same of	de a St. o Th
		Carlos R. Lopez-Barron
	Witness (Print Name)	Witness (Signature)
DATE		Mark K. Davis
	Witness (Print Name)	Witness (Signature)
DATE		alin A. Dulusa Alan A. Galuska
	egory K. Hall Witness (Print Name)	Alan A. Galuska  The Control of the
DATE		Yong Yang
		iong tang
	Witness (Print Name)	Witness (Signature)

VAIC			
00000			Mosha H. Zhao
	Witness (Print Name)		Sinnatura)

### INVENTOR(S):

Mark K Davie

Carlos R. Lonez-Rarron

necessary or expedient.

			······································
	Alan A. Galuska	Yong Yang	
	Mosha H. Zhao		
pron	onsideration of One Dollar (\$1.00) and other gonese of payment which is hereby acknowledged to as UNDERSIGNED, hereby agree(s) as for	ed, the undersigned person(s) r	the receipt of and/onamed above, herein
1)	UNDERSIGNED hereby assign(s) to Exx Delaware, its successors, legal representati ASSIGNEE, the entire right, title and interest to UNDERSIGNED'S invention or improvem same which is described in a patent application	ves and assigns, herein referre , for the United States and all for ent and to all patent applications	ed to collectively a eign countries, in and
	"Poly(vinylbiphenyl) and Poly(vinyle; Therefre		Articles
	and being further identified as USSN Applicated No. 2016EM330A/2, filed, November 09, said application under provisions of internation	ion No.: <u>15/808,096</u> <u>2017</u> , and all rights c nal conventions or treaties.	; Atty. Docke of priority created by
2)	UNDERSIGNED agree(s) upon the request of and documents relating to obtaining patent improvement, and any continuations of such thereof, and any specific separate assignment United States Patent and Trademark Office and	s and the prosecution thereof for applications or substitutes then ts of any of the above required	or said invention of efore or registrations for recording in the

- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
- 4) UNDERSIGNED agree(s) to perform upon ASSIGNEE's request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.
- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date on which the above-referenced patent application was filed, as well as the application number thereof when known.

PATENT Page 1 of 3 REEL: 044406 FRAME: 0798

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE	
	Carlos R. Lopez-Barron
Witness (Print Name)	Witness (Signature)
DATE	Mark K. Davis
Witness (Print Name)	Witness (Signature)
DATE	Alan A. Galuska
Witness (Print Name)	Witness (Signature)
DATE 11/17/2017	
•**	Yong Yang
Man Landers	Mos Aun
Wilness (Print Name)	Witness (Signature)

PATENT Page 2 of 3 REEL: 044406 FRAME: 0799

DAIE	
	Mosha H. Zhao
Witness (Print Name)	Witness (Signature)

PATENT Page 3 of 3 REEL: 044406 FRAME: 0800

### INVENTOR(S):

Carlos R. Lopez-Barron	Mark K. Davis
Alan A. Galuska	Yong Yang
Mosha H. Zhao	
	***************************************

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of and/or promise of payment which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

UNDERSIGNED hereby assign(s) to ExxonMobil Chemical Patents Inc., a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled:

# "Poly(vinylbiphenyl) and Poly(vinylcyclohexylstyrene) Polymers and Articles Therefrom"

	being further identified				15/808,09	96	: Att	v. Docket
No.	2016EM330A/2, filed,	Novem	iber 09, 2017	7	, and all	rights of	priority	created by
said	application under prov	isions of int	ernational co	onventions	or treatie	s.	•	ď

- 2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefore or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.
- 3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.
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- 5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date on which the above-referenced patent application was filed, as well as the application number thereof when known.

PATENT Page Lof 3
REEL: 044406 FRAME: 0801

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE		
		Carlos R. Lopez-Barron
	Witness (Print Name)	Witness (Signature)
DATE		Mark K. Davis
	Witness (Print Name)	Witness (Signature)
DATE		Alan A. Galuska
	Witness (Print Name)	Witness (Signature)
DATE		Yong Yang
	Witness (Print Name)	Witness (Signature)

 $\begin{array}{c} \textbf{PATENT} \quad \text{Page 2 of 3} \\ \textbf{REEL: 044406 FRAME: 0802} \end{array}$ 

DATE	72	$Q_{n}$	20	П	
		La			

Mosha H. Zhao

Wen -Zhao Witness (Print Name)

Witness (Signature)

**PATENT** Page 3 of 3 REEL: 044406 FRAME: 0803

**RECORDED: 12/15/2017**