505066126 08/28/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5112882

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PERIAGARAM S. RAVISHANKAR	10/14/2016
JIANYA CHENG	10/17/2016
ADRIANA S. SILVA	10/14/2016
WEN LI	10/14/2016
ABDELHADI SAHNOUNE	11/17/2016
ARTURO LEYVA	10/21/2016
ALEXANDER I. NORMAN	10/17/2016

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:	16112321

CORRESPONDENCE DATA

Fax Number: (346)259-2495

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

Address Line 1: 5200 BAYWAY DRIVE
Address Line 4: BAYTOWN, TEXAS 77520

ATTORNEY DOCKET NUMBER: 2015EM031/3 US 893509 PR	
NAME OF SUBMITTER:	LISA M. HASENBERG
SIGNATURE:	/Lisa M. Hasenberg/
DATE SIGNED:	08/28/2018

PATENT REEL: 046719 FRAME: 0513

Total Attachments: 9 source=2015EM031-US-2-2016-11-18-Assignment#page1.tif source=2015EM031-US-2-2016-11-18-Assignment#page2.tif source=2015EM031-US-2-2016-11-18-Assignment#page3.tif source=2015EM031-US-2-2016-11-18-Assignment#page4.tif source=2015EM031-US-2-2016-11-18-Assignment#page5.tif source=2015EM031-US-2-2016-11-18-Assignment#page6.tif source=2015EM031-US-2-2016-11-18-Assignment#page7.tif source=2015EM031-US-2-2016-11-18-Assignment#page8.tif source=2015EM031-US-2-2016-11-18-Assignment#page9.tif

PATENT REEL: 046719 FRAME: 0514

ASSIGNMENT

INVENTOR(S):

	Periagaram S. RAVISHANKAR	Jianya CHENG	
	Adriana S. SILVA	Wen LI	
	Abdelhadi SAHNOUNE	Arturo LEYVA	
	Alexander I. NORMAN		
pror	onsideration of One Dollar (\$1.00) and other goo mise of payment which is hereby acknowledged rred to as UNDERSIGNED, hereby agree(s) as foll	, the undersigned person(s) named above, here	or/ or
1)	Delaware, its successors, legal representative: ASSIGNEE, the entire right, title and interest, for	Mobil Chemical Patents Inc., a corporation s and assigns, herein referred to collectively or the United States and all foreign countries, in a t and to all patent applications and patents coverientitled:	as nd
	"Cyclic-diene Additives in Polyethylene l Balance in Productio	Films and Enhanced Film Orientation n Thereof"	
	and being further identified as USSN Application No. 2015EM031/2, filed October 13, 2016 said application under provisions of international	n No.: 15/303,788; Atty. Dock 5, and all rights of priority created l conventions or treaties.	cet by
2)	and documents relating to obtaining patents a improvement, and any continuations of such a thereof, and any specific separate assignments	ASSIGNEE to execute any and all applications in the prosecution thereof for said invention pplications or substitutes therefore or registration of any of the above required for recording in the substitutes that ASSIGNEE may decomply the substitute of the substitut	or ns he
3)	improvement, or patent issued thereon, or an becoming involved in priority of invention pr	my application based on said assigned invention by reissue or application for the reissue theres roceedings, UNDERSIGNED will cooperate with the matter of preparing and executive in support thereof.	of, ith
4)	obtain United States and foreign patents coveri	SIGNEE's request any and all affirmative acts ing said invention or improvement and to vest as fully and as entirely as the same would have being ment and sale had not been made.	all

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

5)

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	0-14-2016	- 125 12
***************************************		Periagaram S. RAVISHANKAR (Inventor)
MIA	MARRÓN	Nie Marvon
	Witness (Print Name)	Witness (Signature)
DATE		
	000000	Jianya CHENG (Inventor)
***************************************	Witness (Print Name)	Witness (Signature)
DATE		Adriana S. SILVA (Inventor)

	Witness (Print Name)	Witness (Signature)
DATE		
		Wen LI (Inventor)
***************************************	Witness (Print Name)	Witness (Signature)

Page 2 of 3

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

DATE Nov 17, 2, 14	Abdelfindi SAHNOUNE (Inventor) DEREIK WHEELER
DATE	Witness (Signature) Arturo LEYVA (Inventor)
Witness (Print Name)	Witness (Signature)
DATE	Alexander I. NORMAN (Inventor)
Witness (Print Name)	Witness (Standaure)

ASSIGNMENT

INVENTOR(S):

Periagaram S. RAVISHANKAR	Jianya CHENG
Adriana S. SILVA	Wen L1
Abdelbadi SAHNOUNE	Arturo LEYVA
Alexander I. NORMAN	

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:

"Cyclic-diene Additives in Polyethylene Films and Enhanced Film Orientation Balance in Production Thereof"

and being further identified as USSN Application No.:	15/30	13.7	88		: A	ity. I	Dock	et
No. <u>2015EM031/2</u> , filedOctober 13, 2016	and	all	rights	of	priority			
said application under provisions of international conventions	or tr	eati	es.		0 y			٠,

- 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 1, 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		,
		Peringaram S. RAVISHANKAR (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE	10/19/2016	
		Jianya CHENG (Inventor)
<u>2</u>	Witness (Print Name)	N.SUN (Nitness (Signature)
DATE		Adriana S. SILVA (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		Wen LI (Inventor)
CONCOUNTABLANA	Witness (Print Name)	Witness (Signature)

Page 2 of 3

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

DATE		Abdelh	adi SAHNOUNE (Inventor)
,000000000	Witness (Print Name)	***************************************	Witness (Signature)
DATE	\$000	Ann assert we i see	
		* **	Arturo LEYVA (Inventor)
	Witness (Print Name)		Witness (Signature)
~{ X who ha	~ 1.0		
DATE	October 17th, 2016	Alexand	der I. NORMAN (Inventor)
		Z	and the second second
	and the second s	AND THE STREET	ALTERIAL.

<u>ASSIGNMENT</u>

INVENTOR(S):

4)

	Periagaram S. RAVISHANKAR	Jianya CHENG Wen LI Arturo LEYVA	
	Adriana S. SILVA		
	Abdelhadi SAHNOUNE		
	Alexander I. NORMAN		
pron	onsideration of One Dollar (\$1.00) and other good nise of payment which is hereby acknowledged, rred to as UNDERSIGNED, hereby agree(s) as follow	the undersigned person(s) nam	receipt of and/or ed above, herein
1)	UNDERSIGNED hereby assign(s) to ExxonM Delaware, its successors, legal representatives ASSIGNEE, the entire right, title and interest, for to UNDERSIGNED'S invention or improvement a same which is described in a patent application en	and assigns, herein referred to the United States and all foreign and to all patent applications and	o collectively as countries, in and
	"Cyclic-diene Additives in Polyethylene Fi Balance in Production	lms and Enhanced Film Orient Thereof'	tation
	and being further identified as USSN Application 1 No. 2015EM031/2, filed October 13, 2016 said application under provisions of international contractions.	. and all rights of pr	_; Atty. Docket fority created by
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 of improvement, and any continuations of such applications or substitutes therefore or registration 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 improvement, or patent issued thereon, or any becoming involved in priority of invention pro-	reissue or application for the	reissue thereof.

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.

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

ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing

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

all documents and giving and producing evidence in support thereof.

Page 1 of 3

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

DATE	
	Periagaram S. RAVISHANKAR (Inventor)
Witness (Print Name)	Witness (Signature)
DATE	
	Jianya CHENG (Inventor)
Witness (Print Name)	Witness (Signature)
DATE Och 1912015	Adriana S. SILVA (Inventor)
MIA Marth Witness (Print Name)	<u>Murro</u> Witness (Signature)
DATEOct./V , 2016	Wen LI (Inventor)
HAIQING PENG	Hay lef
Witness (Print Name)	Watness (Signature)

Page 2 of 3

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

DATE	
	Abdelhadi SAHNOUNE (Inventor)
Witness (Print Name)	Witness (Signature)
DATE 10/21/16	
	Arturo LEYVA (Inventor)
MIA G. MARRÓN	Mia D. Marron
Witness (Print Name)	Witness (Signature)
DATE	
2774.5.2.	Alexander I. NORMAN (Inventor)
Witness (Print Name)	Witness (Signature)

Page 3 of 3