504563517 09/25/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4610228

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTINE N. ELIA	01/27/2016
SHIFANG L LUO	01/27/2016
HARI NAIR	01/05/2016
WENYIH F LAI	01/27/2016
ROBERT G. TINGER	02/22/2016

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:	15714204

CORRESPONDENCE DATA

Fax Number: (281)834-2495

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: 281-834-2295

Email: julie.k.adams@exxonmobil.com

Correspondent Name: EXXONMOBIL CHEMICAL COMPANY

Address Line 1: P.O. BOX 2149

Address Line 4: BAYTOWN, TEXAS 77522-2149

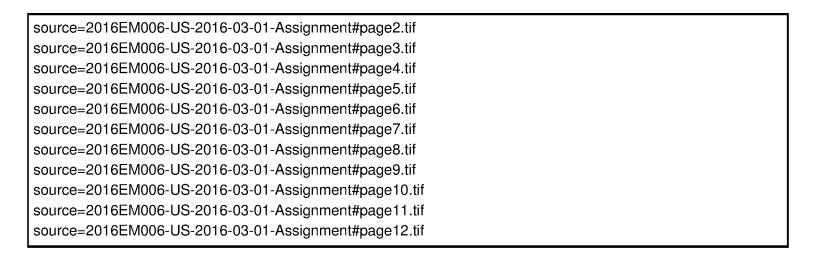
ATTORNEY DOCKET NUMBER:	2016EM006/2		
NAME OF SUBMITTER:	KRISTIAN R. SULLIVAN		
SIGNATURE:	/Kristian R. Sullivan/		
DATE SIGNED:	09/25/2017		

Total Attachments: 12

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PATENT REEL: 043683 FRAME: 0642

504563517



PATENT REEL: 043683 FRAME: 0643

ASSIGNMENT

INVENTOR(S):

Christine	e N. Elia		Shifang	L. Luo
Hari	A		Wenyih	F. Lai
Robert G				

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:

"Catalyst System and Use in Heavy Aromatics Conversion Processes"

and being further identified as USSN Application No.: 15/004.662; Atty. Docket No. 2016EM006, filed, January 22, 2016, 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 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 WI	TNESS WHEREOF, this assignment JNDERSIGNED'S NAME.	has been executed by UNDERSIGNED on the date
	112912016	
C ME DATE .	4	16 n. 50,
		Christine N. Elia (Inventor)
Jose	Witness (Print Name)	Qui Sautiatill Witness (Signature)
DATE		
		Shifang L. Luo (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		
rar r		Hari Nair (Inventor)
***************************************	Witness (Print Name)	Witness (Signature)
DATE .	<u> 1/27/2016</u>	Wenyih F. Lai (Inventor)
J050	TG. Sandrostesan Witness (Print Name)	Qow Santaty Witness (Signature)

Page 2 of 3

IN WITNESS	WHEREOF,	this	assignment	has been	executed	by UNI	DERSIG	NED on	the date
opposite UNDERS	SIGNED'S NA	ME.	_						

		/itness		 		22.22		ignature)
						Robert G.	Tinger	(Inventor
DATE _	 		 	 	···		***************************************	***************************************

<u>ASSI</u>GNMENT

INVENTOR(S):

Christine		į.		Shifang	L. Luo	
Hari				Wenyib	F. Lai	
Robert G	. Tinge	r	····			

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Page 1 of 3

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

DATE		
		Christine N. Elia (Inventor)
acanacacacacacacacacacacacacacacacacaca	Witness (Print Name)	Witness (Signature)
DATE	January 27,2016	
	SONDAR NARAYANIAN	Shifang L. Luo (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		YX . 1 %I . 2 . 1 Y
		Hari Nair (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		
		Wenyih F. Lai (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		
		Robert G. Tinger (Invento
	Witness (Print Name)	Witness (Signature)

ASSIGNMENT

INVENTOR(S):

Christin	e N. Elia	5	hifang L.	Luo
Hari	Nair	3	Wenyih F.	Lai
Robert (3. Tinger			

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Page 1 of 3

PATENT REEL: 043683 FRAME: 0650

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DATE		
		Christine N. Elia (Inventor)
***************************************	Witness (Print Name)	Witness (Signature)
DATE		Shifang L. Luo (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE	01/05/2016	Hari Nair (Inventor)
	Kevin Daly Witness (Print Name)	Yun Duy Witnesd Signature)
DATE		Wenyih F. Lai (Inventor)
	Witness (Print Name)	Witness (Signature)

Page 2 of 3

	<u>ASSIGNMENT (C</u>	<u>'ont'd.)</u>
IN WITNESS posite UNDERS	WHEREOF, this assignment has been signed'S NAME.	executed by UNDERSIGNED on the date
)ATE		Robert G. Tinger (Inventor)

Page 3 of 3

ASSIGNMENT INVENTOR(S):

Christine N. Elia		~~~~	Shifang	L. Luo
<u>Hari Nair</u>	*************		Wenvih	F. Lai
Robert G. Tinger				

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	Witness (Print Name)	Witness (Signature)
DATE		
		Shifang L. Luo (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		Hari Nair (Inventor)
	Witness (Print Name)	Witness (Signature)
DATE		Wenyih F. Lai (Inventor)
	Witness (Print Name)	Witness (Signature)

Page 2 of 3

PATENT REEL: 043683 FRAME: 0654

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

DATE <u>Feb 22, 2016</u>

Robert G. Tinger (Inventor)

Witness (Print Name)

Witness (Signature)

Page 3 of 3