PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jorge L. Soto	01/03/2011
Daniel P. Leta	01/10/2011
Lu Han	01/04/2011
Walter D. Vann	01/01/2011
Mark A. Greaney	02/04/2011
James R. Bielenberg	01/17/2011
Paul D. Oldenburg	01/19/2011
Jonathan M. McConnachie	01/13/2011
Leo D. Brown	12/18/2010
William C. Baird, Jr.	12/19/2010
Roby Bearden, Jr.	12/20/2010

RECEIVING PARTY DATA

Name:	ExxonMobil Research and Engineering Company
Street Address:	1545 Route 22 East
Internal Address:	P.O. Box 900
City:	Annandale
State/Country:	NEW JERSEY
Postal Code:	08801-0900

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12967703

CORRESPONDENCE DATA

Fax Number: (908)730-3649

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 908-730-3605

Email: kimberly.m.shapiro@exxonmobil.com

PATENT REEL: 026560 FRAME: 0432 0.00 12967703

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501588617

Correspondent Name: ExxonMobil Research and Engineering Co.

Address Line 1: 1545 Route 22 East

Address Line 2: P.O. Box 900

Address Line 4: Annandale, NEW JERSEY 08801-0900

ATTORNEY DOCKET NUMBER: 2009EM346-US2

NAME OF SUBMITTER: Bruce M. Bordelon

Total Attachments: 6

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PATENT REEL: 026560 FRAME: 0433

USSN	12/967,703			
Filed:	December 14, 2010			

Jorge L. Soto Mark A. Greaney Leo D. Brown Daniel P. Leta James R. Bielenberg William C. Baird, Jr. Lu Han Paul D. Oldenburg Roby Bearden, Jr. Walter D. Vann Jonathan M. McConnachie

For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to Exxon Research and Engineering Company), 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

REGENERATION OF ALKALI METAL REAGENT

18,19,20th December 2010
3,4,10,11,13,17,19th January 2011
said application having been executed on the 4th day(s) of February 2011, and being further identified as Case Number 2009EM346-US2; 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 therefor 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 to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application.

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

Date \$3.5 money, 11	Jorge L. John (LS)	Witness Mr A Sten
Date	Inventor (LS) Daniel P. Leta	Witness
Date 1/4 2011	Inventor (LS)	winess Rut by
Date 1/1/11	Inventor Sutto Man (1.3) Walter D. Vann	Witness Kerin Lhouthon
Date 2/4/11	Inventor Mark A. Bury (LS) Mark A. Greaney	Witness Drane Stracka
Date 1/17/2011	Inventor James R Bielenberg (LS)	Witness Drane Stracka

PATENT REEL: 026560 FRAME: 0434

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Filed:	December 14, 2010			

Jorge L. Soto Mark A. Greaney Leo D. Brown

Daniel P. Leta

Lu Han

Walter D. Vann

James R. Bielenberg William C. Baird, Jr. Paul D. Oldenburg Roby Bearden, Jr.

Jonathan M. McConnachie

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Kli	GENERATION OF AL	KALI METAL RE	AGENT		
	18,19,20tl	n	December	2010	
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further identified as Case Number	<u>2010EM346-US</u> 2 ; a	nd all rights of pric	ority created by said	l application ι	inder
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IN WITNESS WHEREOF, to NAME.	his assignment has been executed by UNI	DERSIGNE	D on the date opposite UNDERSIGNED's
Date 1/19/2011	Inventor Sau Doldenburg	(LS)	Witness
Date	Inventor Jonathan M. McConnachie	(LS)	Witness
Date	Inventor Leo D. Brown	(LS)	Witness
Date	InventorWilliam C. Baird, In.	(LS)	Witness
Date	Inventor Roby Bearden, Jr	(LS)	lFitness
Date	lnventor	(LS)	Witness

USSN	12/967,703
Filed:	December 14, 2010

Jorge L. SotoDaniel P. LetaLu HanWalter D. VannMark A. GreaneyJames R. BielenbergPaul D. OldenburgJonathan M. McConnachieLeo D. BrownWilliam C. Baird, Jr.Roby Bearden, Jr.

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J.	REGENERAT	ΓΙΟΝ OF ALKA	ALI METAL RI	EAGENT		
	18	,19,20th		December	2010	
	3,4	,10,11,13,	17,19th	January	2011	
said application having been executed	on the	4th	day(s) of _	February	2011	, and being
further identified as Case Number provisions of international convention	2009EM346 s or treaties.	6-US2 ; and	all rights of pri	ority created by sai	d application	under

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Date	Inventor	(LS)	Witness
Date	Inventor Daniel P. Leta	(LS)	Wilness Diane Stracka
Date	InventorLu Han	(LS)	Witness
Date	InventorWalter D. Vann	(LS)	Witness
Date	InventorMark A. Greaney	(LS)	Witness
Date	Inventor	(LS)	Witness

USSN	12/967,703
Filed:	December 14, 2010

ASSIGNMENT

INVENTOR or INVENTORS: Jorge L. Soto Daniel P. Leta Lu Han Walter D. Vann James R. Bielenberg Mark A. Greanev Paul D. Oldenburg Jonathan M. McConnachie Leo D. Brown William C. Baird, Jr. Roby Bearden, Jr. For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows: 1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), 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 REGENERATION OF ALKALI METAL REAGENT 18,19,20th December 2010 3,4,10,11,13,17,19th 2011 January said application having been executed on the 4th day(s) of ____ February 2011 further identified as Case Number 2010EM346-US2; 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 therefor 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 to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application. IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME. Paul D. Oldenburg ane Stracka Date 18 DEC 2010 DateWitness William C. Baird, Jr Roby Bearden, Jr.

Date

Inventor

PATENT REEL: 026560 FRAME: 0437

Witness

USSN	12/967,703		
Filed:	December 14, 2010		

Jorge L. Soto Daniel P. Leta Lu Han Walter D. Vann Mark A. Greanev James R. Bielenberg Paul D. Oldenburg Jonathan M. McConnachie Leo D. Brown William C. Baird, Jr. Roby Bearden, Jr. For good and valuable consideration, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows: 1) UNDERSIGNED hereby assign(s) to ExxonMobil Research and Engineering Company (formerly Exxon Research and Engineering Company), 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 REGENERATION OF ALKALI METAL REAGENT 18,19,20th December 2010 3,4,10,11,13,17,19th January 2011 said application having been executed on the 4th day(s) of February _2011___, and being further identified as Case Number 2010EM346-US2; 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 therefor 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 to insert in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application. IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED's NAME. Paul D. Oldenburg Date Inventor Jonathan M. McConnachie

Leo D. Brown

William C. Baird, Jr.

Roby Bearden, Jr.

Inventor

Date

Date

Date

PATENT REEL: 026560 FRAME: 0438

Witness

Vients N. Kaird

USSN	12/967,703	
Filed:	December 14, 2010	

Jorge L. Soto	
Mark A. Greaney	
as D. Danier	

Daniel P. Leta James R. Bielenberg

Lu Han Paul D. Oldenburg Walter D. Vann Jonathan M. McConnachie

Leo D. Brown William C. Baird, Jr. Roby Bearden, Jr.

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Dare	Paul D. Oldenburg	_(LS)	Witness
Date	Inventor Jonathan M. McConnachie	_(LS)	Witness
Date	Leo D. Brown	_(LS)	Witness
Date	InventorWilliam C. Baird, Jr.		Witness
Date Dec . 20 , 2010	Invenior Roby Barden, Jr.	_(LS)	Wines Land D. Price
Date	hwentor	_(LS)	Witness

PATENT REEL: 026560 FRAME: 0439

RECORDED: 07/08/2011