

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jihad M Dakka</td> <td>07/09/2012</td> </tr> <tr> <td>Lorenzo C Decaul</td> <td>07/09/2012</td> </tr> <tr> <td>Terry E Helton</td> <td>06/15/2012</td> </tr> <tr> <td>Jenna L Wallace</td> <td>06/14/2012</td> </tr> <tr> <td>Teng Xu</td> <td>06/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jihad M Dakka	07/09/2012	Lorenzo C Decaul	07/09/2012	Terry E Helton	06/15/2012	Jenna L Wallace	06/14/2012	Teng Xu	06/13/2012
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Jenna L Wallace	06/14/2012												
Teng Xu	06/13/2012												
RECEIVING PARTY DATA													
Name:	ExxonMobil Chemical Patents Inc.												
Street Address:	13501 Katy Freeway												
City:	Houston												
State/Country:	TEXAS												
Postal Code:	77079												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13515142</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13515142								
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Application Number:	13515142												
CORRESPONDENCE DATA													
Fax Number:	2818340525												
Phone:	281-834-1745												
Email:	kerri.l.harvey@exxonmobil.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	ExxonMobil Chemical Company												
Address Line 1:	P.O. Box 2149												
Address Line 4:	Baytown, TEXAS 77522-2149												
ATTORNEY DOCKET NUMBER:	2010EM332 US 813325 PR												
NAME OF SUBMITTER:	Siwen Chen												

CH \$40.00 13515142

**Total Attachments: 9**

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**ASSIGNMENT**

**INVENTOR(S):**

<b>Jihad M. Dakka</b>		<b>Lorenzo C. Decaul</b>
<b>Terry E. Helton</b>		<b>Teng Xu</b>
<b>Jenna L. Wallace</b>		

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:

- 1) 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:

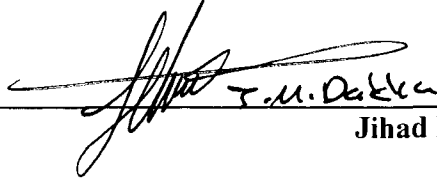
**“DEHYDROGENATION CATALYST AND PROCESS”**

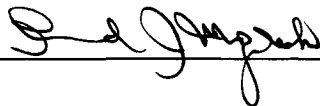
and being further identified as USSN Application No.: 13/515,142; Atty. Docket No. 2010EM332, filed, June 11, 2012, and all rights of priority created by said application under provisions of international conventions or treaties.

- 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.

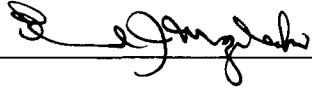
ASSIGNMENT (Cont'd.)

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

DATE 07-09-2012 \_\_\_\_\_  
  
Jihad M. Dakka

Edmund J. Mozelski  
Witness (Print Name) \_\_\_\_\_  
  
Witness (Signature)

DATE July 9, 2012 \_\_\_\_\_  
  
Lorenzo C. Decaul

Edmund J. Mozelski  
Witness (Print Name) \_\_\_\_\_  
  
Witness (Signature)

DATE \_\_\_\_\_  
\_\_\_\_\_ Terry E. Helton

\_\_\_\_\_ Witness (Print Name) \_\_\_\_\_  
\_\_\_\_\_ Witness (Signature)

DATE \_\_\_\_\_  
\_\_\_\_\_ Teng Xu

\_\_\_\_\_ Witness (Print Name) \_\_\_\_\_  
\_\_\_\_\_ Witness (Signature)

DATE \_\_\_\_\_

\_\_\_\_\_  
**Jenna L. Wallace**

\_\_\_\_\_  
Witness (Print Name)

\_\_\_\_\_  
Witness (Signature)

## ASSIGNMENT

### INVENTOR(S):

<b>Jihad M. Dakka</b>		<b>Lorenzo C. Decaul</b>
<b>Terry E. Helton</b>		<b>Teng Xu</b>
<b>Jenna L. Wallace</b>		

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DATE \_\_\_\_\_  
**Jihad M. Dakka**

\_\_\_\_\_  
Witness (Print Name)                      Witness (Signature)

DATE \_\_\_\_\_  
**Lorenzo C. Decaul**

\_\_\_\_\_  
Witness (Print Name)                      Witness (Signature)

DATE 15 Jun - 2012 \_\_\_\_\_  
**Terry E. Helton**

Liz P. Barices                      Liz P. Barices  
Witness (Print Name)                      Witness (Signature)

DATE \_\_\_\_\_  
**Teng Xu**

\_\_\_\_\_  
Witness (Print Name)                      Witness (Signature)

DATE 6/14/12

Jenna L. Wallace  
Jenna L. Wallace

Natalie A. Fassbender  
Witness (Print Name)

Natalie A. Fassbender  
Witness (Signature)



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**INVENTOR(S):**

<b>Jihad M. Dakka</b>		<b>Lorenzo C. Decaul</b>
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\_\_\_\_\_ **Jihad M. Dakka**

\_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_ Witness (Signature)

DATE \_\_\_\_\_  
\_\_\_\_\_ **Lorenzo C. Decaul**

\_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_ Witness (Signature)

DATE \_\_\_\_\_  
\_\_\_\_\_ **Terry E. Helton**

\_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_ Witness (Signature)

DATE 06/13/2012 \_\_\_\_\_  
\_\_\_\_\_ **Teng Xu**

Keith Reed \_\_\_\_\_  
Witness (Print Name) \_\_\_\_\_ Witness (Signature)

DATE \_\_\_\_\_ **Jenna L. Wallace**

\_\_\_\_\_  
Witness (Print Name)                      Witness (Signature)